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and is derived by analysis of the total score distribution.

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SUMMARIES

OM nucleic - nucleic search, using sw model
Run date: May 21, 2003, 05:36:57 ; Search time 1812 Seconds
(Without alignments)
9379.712 Million cell updates/sec

Title: US-09-695-451-1_COPY_727_1310
Perfect score: 584
Sequence: 1 tgcacaggaaacagaaacac.....cacaaggccacacggctaga 584
Scoring table: IPEMITY.NUC
Gapop 10.0 , gapext 1.0

Searched: 204640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 630860

Minimum DB seq length: 0

Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

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2:	gb_hsq,*
3:	gb_in1,*
4:	gb_om1,*
5:	gb_ov1,*
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8:	gb_p11,*
9:	gb_pr1,*
10:	gb_ro1,*
11:	gb_sts1,*
12:	gb_sy1,*
13:	gb_un1,*
14:	gb_v11,*
15:	em_ba1,*
16:	em_fun1,*
17:	em_hum1,*
18:	em_in1,*
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20:	em_on1,*
21:	em_or1,*
22:	em_ov1,*
23:	em_pat1,*
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35:	em_hg_rnd1,*
36:	em_hg_mam1,*
37:	em_htg_vrt1,*
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39:	em_htgo_hum1,*
40:	em_htgo_mus1,*
41:	em_htgo_other1,*

ALIGNMENTS

Result No.	Score	Query Match	Length	DB ID	Description
1	24.8	4.2	28	A29671	A29671 Oligonucleo
2	23.8	4.1	29	A26411	A26411 Oligonucleo
3	22.8	3.9	26	A29670	A29670 Oligonucleo
4	21	3.6	21	A19910	A19910 Synthetic 3
5	21	3.6	21	A19912	A19912 Synthetic 5
6	21	3.6	21	A2131319	AR131319 Sequence
7	21	3.6	21	ARI34771	ARI34771 Sequence
8	21	3.6	29	AR044882	AX404882 Sequence
9	20.8	3.6	24	A77512	A77512 Sequence 4
10	20.8	3.6	24	AR052978	AR052978 Sequence
11	20.8	3.4	30	A20243	A20243 Mutagenic o
12	20	3.4	30	A13796	A13796 Sequence 15
13	19.2	3.3	24	A57514	A57514 Sequence 6
14	19.2	3.3	24	AR052980	AR052980 Sequence
15	18.8	3.2	24	A77518	A77518 Sequence 10
16	18.8	3.2	24	AR052984	AR052984 Sequence
17	18.2	3.1	23	AX772525	AX772525 Sequence
18	18.2	3.1	25	AR074225	AR074225 Sequence
19	18.2	3.1	25	AR074226	AR074226 Sequence
20	18.2	3.1	25	AX032587	AX032587 Sequence
21	18.2	3.1	25	AX032588	AX032588 Sequence
22	18	3.1	18	AR096376	AR096376 Sequence
23	18	3.1	18	AR096377	AR096377 Sequence
24	18	3.1	18	AR096378	AR096378 Sequence
25	18	3.1	18	AR096379	AR096379 Sequence
26	18	3.1	18	AR096380	AR096380 Sequence
27	18	3.1	18	AR096381	AR096381 Sequence
28	18	3.1	18	AR096382	AR096382 Sequence
29	18	3.1	18	AR096383	AR096383 Sequence
30	18	3.1	18	AR096384	AR096384 Sequence
31	18	3.1	18	AR096385	AR096385 Sequence
32	18	3.1	18	AR096386	AR096386 Sequence
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36	18	3.1	18	AR096390	AR096390 Sequence
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38	18	3.1	18	AR096392	AR096392 Sequence
39	18	3.1	18	AR096393	AR096393 Sequence
40	18	3.1	18	AR096394	AR096394 Sequence
41	18	3.1	18	AR096395	AR096395 Sequence
42	18	3.1	18	AR096396	AR096396 Sequence
43	18	3.1	18	AR096397	AR096397 Sequence
44	18	3.1	18	AR096398	AR096398 Sequence
45	18	3.1	18	AR096399	AR096399 Sequence

RESULT 1
A29671
LOCUS A29671
DEFINITION Oligonucleotide no.2.
ACCESSION A29671
VERSION A29671.1 GI:1248974
KEYWORDS SOURCE synthetic construct,
ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 28)

AUTHORS Waliach,D. and Brakebusch,C.

TITLE Multimers of the soluble forms of TNF receptors, their preparation
and pharmaceutical compositions containing them
Patent: EP 0526905-A 2 10-FEB-1993;

FEATURES YEDA RESEARCH AND DEVELOPMENT CO. LTD
source Location/Qualifiers
 1. .28
 /organism="synthetic construct"
BASE COUNT 6 a 6 c 7 g 9 t
ORIGIN

Query Match: 4.2%; Score 24.8; DB 6; Length 28;
 Best Local Similarity 92.9%; Pred. No. 5.2e+04; 0; Mismatches 2; Indels 0; Gaps 0;
 Matches 26; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 248 ATCCAGCTACTACCATGTTGG 275
Db 1 TCCAGCTAGACCATGTTGG 28

RESULT 2
A26411/C
LOCUS A26411 29 bp DNA linear 25-APR-1995
DEFINITION Oligonucleotide 2 from patent EP0417563.
ACCESSION A26411
VERSION A26411.1 GI:904967
KEYWORDS
SOURCE synthetic construct.
ORGANISM artificial sequences.

REFERENCE 1 (bases 1 to 29)
 Brockhaus,M., Dembic,Z., Gentz,R., Lesslauer,W., Loetscher,H. and
 Schlaeger,E.J.
TITLE TNF-binding proteins
JOURNAL Patent: EP 0417563-A 23 20-MAR-1991;
 F. HOFFMANN-LA ROCHE AG
FEATURES Location/Qualifiers

SOURCE 1. .29
 /organism="synthetic construct"
BASE COUNT 5 a 7 c 9 g 8 t
ORIGIN

Query Match: 4.1%; Score 23.8; DB 6; Length 29;
 Best Local Similarity 92.6%; Pred. No. 9.8e+04; 0; Mismatches 25; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
OY 143 CTGAGGACTCGGCCAACAGTGCT 169
Db 29 CTGAGGACTCGGCCAACAGTGCT 3

RESULT 3
A29670
LOCUS A29670 26 bp DNA linear PAT 29-JUN-1995
DEFINITION Oligonucleotide no.1.
ACCESSION A29670
VERSION A29670.1 GI:1248973
KEYWORDS
SOURCE synthetic construct.
ORGANISM synthetic construct.

REFERENCE 1 (bases 1 to 26)
 Wallach,D. and Brakebusch,C.
AUTHORS Multimers of the soluble forms of TNF receptors, their preparation and pharmaceutical compositions containing them
TITLE and pharmaceutical compositions containing them
JOURNAL YEDA RESEARCH AND DEVELOPMENT CO. LTD
FEATURES Location/Qualifiers
source 1. .26
 /organism="synthetic construct"
BASE COUNT 6 a 10 c 7 g 3 t
ORIGIN

Query Match: 3.9%; Score 22.8; DB 6; Length 26;

Best Local Similarity 92.3%; Pred. No. 1.8e+05; 2; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
LOCUS A19910 21 bp DNA linear PAT 04-OCT-1994
DEFINITION Synthetic 3' TNF receptor fragment for construction of PSV-TBP.
ACCESSION A19910
VERSION A19910.1 GI:641224
KEYWORDS
SOURCE synthetic construct.
ORGANISM synthetic construct.
 artificial sequences.
REFERENCE 1 (bases 1 to 21)
 Wallach,D., Nophar,Y., Kemper,O., Engelmann,H., Brakebusch,C. and
 Adenka,D.
TITLE Expression of the recombinant tumor necrosis factor binding protein I (TBP-I)
JOURNAL Patent: EP 0433900-A 31 26-JUN-1991;
 YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED
FEATURES Location/Qualifiers
SOURCE 1. .21
 /organism="synthetic construct"
BASE COUNT 6 a 6 c 4 g 5 t
ORIGIN

Query Match: 3.6%; Score 21; DB 6; Length 21;
 Best Local Similarity 100.0%; Pred. No. 5.6e+05; 0; Mismatches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 112 TGCCTACCCGATGAGAT 132
Db 1 TGCCTACCCGATGAGAT 21

RESULT 5
A19912/C
LOCUS A19912 21 bp DNA linear PAT 04-OCT-1994
DEFINITION Synthetic 5' TNF receptor fragment for construction of PSV-TBP.
ACCESSION A19912
VERSION A19912.1 GI:641225
KEYWORDS
SOURCE synthetic construct.
ORGANISM synthetic construct.

REFERENCE 1 (bases 1 to 21)
 Wallach,D., Nophar,Y., Kemper,O., Engelmann,H., Brakebusch,C. and
 Adenka,D.
AUTHORS Expression of the recombinant tumor necrosis factor binding protein I (TBP-I)
TITLE Patent: EP 0433900-A 31 26-JUN-1991;
JOURNAL YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED
FEATURES Location/Qualifiers
SOURCE 1. .21
 /organism="synthetic construct"
BASE COUNT 5 a 4 c 6 g 6 t
ORIGIN

Query Match: 3.6%; Score 21; DB 6; Length 21;
 Best Local Similarity 100.0%; Pred. No. 5.6e+05; 0; Mismatches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 112 TGCCTACCCGATGAGAT 132
Db 21 TGCCTACCCGATGAGAT 1

RESULT 6	Patent: WO 0222833-A 15 21-MAR-2002;
AR131319/c	LOCUS AR131319 Sequence 19 from patent US 6193972.
DEFINITION	DEFINITION 21 bp DNA linear
VERSION	PAT 16-MAY-2001
KEYWORD	KEYWORD AR131319 AR131319.1 GI:14120222
SOURCE	SOURCE Unknown.
ORGANISM	ORGANISM Unclassified.
REFERENCE	REFERENCE (bases 1 to 21)
AUTHORS	AUTHORS Campbell,R.K., Jamison,B.A. and Chappel,S.C.
TITLE	TITLE Hybrid heterodimeric protein hormone
JOURNAL	JOURNAL Patent: US 6193972-A 19 27-FEB-2001;
FEATURES	FEATURES Location/Qualifiers
Db	source 1..21
BASE COUNT	BASE COUNT 2 a /organism="unknown"
ORIGIN	ORIGIN 5 c 7 g 7 t
Query Match	Query Match 3.6%; Score 21; DB 6; Length 21;
Best Local Similarity	Best Local Similarity 100.0%; Pred. No. 5.6e+05;
Matches	Matches 0; Mismatches 0; Indels 0; Gaps 0;
Qy	Qy 142 ACTGAGGACTAGGCCACCA 162
Db	Db 21 ACTGAGGACTAGGCCACCA 1
RESULT 7	Patent: WO 0222833-A 15 21-MAR-2002;
AR134771/c	LOCUS AR134771 Sequence 19 from patent US 6194177.
DEFINITION	DEFINITION 21 bp DNA linear
VERSION	PAT 16-MAY-2001
KEYWORD	KEYWORD AR134771 AR134771.1 GI:14123676
SOURCE	SOURCE Unknown.
ORGANISM	ORGANISM Unclassified.
REFERENCE	REFERENCE 1 (bases 1 to 21)
AUTHORS	AUTHORS Campbell,R.K., Jamison,B.A. and Chappel,S.C.
TITLE	TITLE DNA encoding a hybrid heterodimeric protein
JOURNAL	JOURNAL Patent: US 6194177-A 19 27-FEB-2001;
FEATURES	FEATURES Location/Qualifiers
Db	source 1..21
BASE COUNT	BASE COUNT 2 a /organism="unknown"
ORIGIN	ORIGIN 5 c 7 g 7 t
Query Match	Query Match 3.6%; Score 21; DB 6; Length 21;
Best Local Similarity	Best Local Similarity 100.0%; Pred. No. 5.6e+05;
Matches	Matches 0; Mismatches 0; Indels 0; Gaps 0;
Qy	Qy 142 ACTGAGGACTAGGCCACCA 162
Db	Db 21 ACTGAGGACTAGGCCACCA 1
RESULT 8	Patent: WO 0222833-A 15 21-MAR-2002;
AX404882/c	LOCUS AX404882 Sequence 15 from Patent WO0222833.
DEFINITION	DEFINITION 29 bp DNA linear
VERSION	PAT 14-JUN-2002
KEYWORD	KEYWORD AX404882 AX404882.1 GI:21438114
SOURCE	SOURCE Synthetic construct.
ORGANISM	ORGANISM Synthetic construct.
REFERENCE	REFERENCE Artificial sequences.
AUTHORS	AUTHORS Pfizenmaier,K., Wuest,T., Moosmayer,D., Grell,M. and Scheurich,P.
TITLE	TITLE Fusion Protein from antibody cytokine-cytokine inhibitor (selectokine) for use as target-specific prodrug
BASE COUNT	BASE COUNT 4 a /organism="unknown"
ORIGIN	ORIGIN 14 c 2 g 4 t
RESULT 9	Patent: WO 0222833-A 15 21-MAR-2002;
A57512	LOCUS A57512 Sequence 4 from Patent WO9632483.
DEFINITION	DEFINITION 24 bp DNA
VERSION	PAT 03-MAR-1998
KEYWORD	KEYWORD A57512 A57512.1 GI:3713370
SOURCE	SOURCE unidentified.
ORGANISM	ORGANISM unidentified.
REFERENCE	REFERENCE 1 (bases 1 to 24)
AUTHORS	AUTHORS Masucci,M.G.
TITLE	TITLE IMMUNE EVAADING PROTEINS
JOURNAL	JOURNAL Patent: WO 9632483-A 4 17-OCT-1996;
COMMENT	COMMENT MASUCCI MARIA GRAZIA (SE) Other publication AU 5284296 961030.
FEATURES	FEATURES Location/Qualifiers
Db	Db 1..24 /organism="unidentified"
BASE COUNT	BASE COUNT 4 a /db_xref="taxon:32644" 14 c 2 g 4 t
ORIGIN	ORIGIN 1..24 /organism="unidentified"
Query Match	Query Match 3.6%; Score 20.8; DB 6; Length 24;
Best Local Similarity	Best Local Similarity 91.7%; Pred. No. 6.4e+05;
Matches	Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy	Qy 399 TCCACCTTCACCCGCTCCAC 422
Db	Db 1 TCCACCCGACCTCCAGCTCCAC 24
RESULT 10	Patent: WO 0222833-A 15 21-MAR-2002;
AR052978	LOCUS AR052978 Sequence 7 from patent US 5833991.
DEFINITION	DEFINITION 24 bp DNA linear
VERSION	PAT 29-SEP-1998
KEYWORD	KEYWORD AR052978 AR052978.1 GI:5977840
SOURCE	SOURCE Unknown.
ORGANISM	ORGANISM Unclassified.
REFERENCE	REFERENCE 1 (bases 1 to 24)
AUTHORS	AUTHORS Masucci,M.G.
TITLE	TITLE Glycine-containing sequences conferring invisibility to the immune system
JOURNAL	JOURNAL Patent: US 5833991-A 7 10-NOV-1998;
FEATURES	FEATURES Location/Qualifiers
Db	source 1..24
BASE COUNT	BASE COUNT 4 a /organism="unknown"
ORIGIN	ORIGIN 14 c 2 g 4 t

Query Match 3.6%; Score 20.8; DB 6; Length 24;
 Best Local Similarity 91.7%; Pred. No. 6.4e+05;
 Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

REFERENCE 1 (bases 1 to 24)
 AUTHORS Masucci,M.G.
 TITLE IMMUNE-EVADING PROTEINS
 JOURNAL Patent: WO 9634483-A 6 17-OCT-1996;
 COMMENT MASTRUCI MARIA GRAZIA (SE)
 Other publication AU 528296 961030.
 FEATURES Location/Qualifiers 1. .24
 source /organism="unidentified"

RESULT 11
 LOCUS A52043
 DEFINITION Oligogenic oligonucleotide 4D.
 ACCESSION A52043
 VERSION A52043.1 GI:1247885
 KEYWORDS synthetic construct,
 ORGANISM synthetic construct,
 SOURCE artificial sequences,
 FEATURES Location/Qualifiers 1. .30
 source /organism="synthetic construct"
 /db_xref="taxon:32630"
 BASE COUNT 5 a 8 c 10 g 7 t

ORIGIN

Query Match 3.4%; Score 20; DB 6; Length 30;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

REFERENCE 1 (bases 1 to 30)
 AUTHORS Masucci,M.G.
 TITLE Glycine-containing sequences conferring invisibility to the immune system
 ACCESSION A52043
 VERSION A52043.1 GI:2468894
 KEYWORDS Unknown,
 SOURCE Unknown,
 ORGANISM Unknown,
 FEATURES Location/Qualifiers 1. .24
 source /organism="unknown"

RESULT 12
 LOCUS I43796
 DEFINITION Sequence 15 from patent US 5633145.
 ACCESSION I43796
 VERSION I43796.1 GI:2468894
 KEYWORDS Unknown,
 SOURCE Unknown,
 ORGANISM Unknown,
 FEATURES Location/Qualifiers 1. .30
 source /organism="unknown"

BASE COUNT 5 a 8 c 10 g 7 t

ORIGIN

Query Match 3.4%; Score 20; DB 6; Length 30;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

REFERENCE 1 (bases 1 to 30)
 AUTHORS Feldmann,M., Gray,P.W., Turner,M.J.C. and Brennan,F.M.
 TITLE TNF alpha receptor-derived binding protein
 JOURNAL Patent: US 5633145-A 15 27-MAY-1997;
 FEATURES Location/Qualifiers 1. .30
 source /organism="unknown"

BASE COUNT 5 a 8 c 10 g 7 t

ORIGIN

Query Match 3.4%; Score 20; DB 6; Length 30;
 Best Local Similarity 100.0%; Pred. No. 1.1e+05;
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

REFERENCE 1 (bases 1 to 30)
 AUTHORS Feldmann,M., Gray,P.W., Turner,M.J.C. and Brennan,F.M.
 TITLE TNF alpha receptor-derived binding protein
 JOURNAL Patent: US 5633145-A 15 27-MAY-1997;
 FEATURES Location/Qualifiers 1. .30
 source /organism="unknown"

RESULT 13
 LOCUS A57514
 DEFINITION sequence 6 from Patent WO9632483.
 ACCESSION A57514
 VERSION A57514.1 GI:3713372
 KEYWORDS unidentified,
 SOURCE unidentified,
 ORGANISM unidentified

REFERENCE 1 (bases 1 to 24)
 AUTHORS Masucci,M.G.
 TITLE IMMUNE-EVADING PROTEINS
 JOURNAL Patent: WO 9634483-A 10 17-OCT-1996;
 COMMENT MASTRUCI MARIA GRAZIA (SE)
 Other publication AU 528296 961030.
 FEATURES Location/Qualifiers 1. .24
 source /organism="unidentified"
 /db_xref="taxon:32644"

RESULT 14
 LOCUS AR052980
 DEFINITION Sequence 10 from patent US 5833991.
 ACCESSION AR052980
 VERSION AR052980.1 GI:5977842
 KEYWORDS Unknown,
 SOURCE Unknown,
 ORGANISM Unknown,
 FEATURES Location/Qualifiers 1. .24
 source /organism="unknown"

BASE COUNT 3 a 14 c 2 g 5 t

ORIGIN

Query Match 3.3%; Score 19.2; DB 6; Length 24;
 Best Local Similarity 87.5%; Pred. No. 1.8e+06;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

REFERENCE 1 (bases 1 to 24)
 AUTHORS Masucci,M.G.
 TITLE Glycine-containing sequences conferring invisibility to the immune system
 ACCESSION A57518
 VERSION A57518.1 GI:3713376
 KEYWORDS Unknown,
 SOURCE unidentified,
 ORGANISM unidentified,
 FEATURES Location/Qualifiers 1. .24
 source /organism="unknown"

RESULT 15
 LOCUS A57518
 DEFINITION Sequence 10 from Patent WO9632483.
 ACCESSION A57518
 VERSION A57518.1 GI:3713376
 KEYWORDS Unknown,
 SOURCE unidentified,
 ORGANISM unidentified,
 FEATURES Location/Qualifiers 1. .24
 source /organism="unidentified"
 /db_xref="taxon:32644"

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ORIGIN

Query Match 3.4%; Score 19.2; DB 6; Length 24;
 Best Local Similarity 87.5%; Pred. No. 1.8e+06;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

REFERENCE 1 (bases 1 to 24)
 AUTHORS Masucci,M.G.
 TITLE IMMUNE-EVADING PROTEINS
 JOURNAL Patent: WO 9634483-A 10 17-OCT-1996;
 COMMENT MASTRUCI MARIA GRAZIA (SE)
 Other publication AU 528296 961030.
 FEATURES Location/Qualifiers 1. .24
 source /organism="unidentified"
 /db_xref="taxon:32644"

Wed May 21 08:50:00 2003

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Page 5

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ORIGIN
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Best Local Similarity 90.9%; Pred. No. 2.3e+06;
Matches 203; Conservative 0; Mismatches 2; Index 0;
Matches 203; Conservative 0; Mismatches 2; Index 0;

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||| ||| ||||| |||||
db TCCACCGCACCTCCAGCTCCA 23

Search completed: May 21, 2003, 07:05:48
Job time 184 secs

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 GenCore version 5.1.4.p5_4578
 OM nucleic - nucleic search, using sw model

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20: /SIDS2/gcadata/geneseq/geneseq -emb1/NA21000 DAT:*
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23: /SIDS2/gcadata/geneseq/geneseq -emb1/NA2001C DAT:*
24: /SIDS2/gcadata/geneseq/geneseq -emb1/NA2002 DAT:*

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SUMMARIES

XX Polynucleotides comprising polymorphic variants of a reference sequence
 PT for tumour necrosis factor receptor I (TNFR1), useful for studying the
 PT biological function of TNFR1 and identifying drugs targeting the
 PT protein for treating disorders -
 XX Example 1; Page 31; 79pp; English.
 CC The present invention relates to polymorphic variants of the tumour
 QC necrosis factor receptor I (TNFR1) gene. The sequence of the gene is
 CC given in AA95102, AA95103 and AA95104. The polymorphisms were
 CC identified by amplifying and sequencing regions of the gene. Twelve
 CC polymorphic loci were discovered. Of these twelve polymorphisms, four can
 CC cause a change in the TNFR1 protein. The present sequence is a primer
 CC used to amplify part of the TNFR1 gene. The TNFR1 polymorphisms may be
 CC used either studying the biological function of TNFR1 as well as for
 CC identifying drugs targeting the protein for treatment of disorders
 CC related to its abnormal expression or function such as tumours,
 CC apoptosis related disorders and bacterial infection.
 XX Sequence 25 BP; 5 A; 8 C; 4 G; 8 T; 0 other;
 Query Match 4.3%; Score 25; DB 21; Length 25;
 Best Local Similarity 100.0%; Pred. No. 1.1e+03;
 Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 ID AA95102
 AC AA95103
 DT 12-OCT-1999 (first entry)
 DE Human 55kDa tumour necrosis factor binding protein PCR primer 2.
 XX Tumour necrosis factor binding protein; TNF; insoluble protein; agonist;
 KW anti-inflammatory; antimalarial; treatment; septic shock; inflammation;
 KW autoimmune glomerulonephritis; cerebral malaria; immune response;
 KW antagonist; diagnosis; PCR primer; ss.
 OS Synthetic.
 OS Homo sapiens.
 PN EP939121-A2.
 PD 01-SEP-1999.
 XX 31-AUG-1990; 90EP-0116707.
 XX 20-APR-1990; 90CH-0001347.
 PR 12-SEP-1989; 89CH-0003319.
 PR 08-MAR-1990; 90CH-0000746.
 PR 20-APR-1990; 90CH-0001347.
 PR 31-AUG-1990; 90EP-0116707.
 PR 31-AUG-1990; 99EP-0100703.
 PA (Hoffmann La Roche & Co AG F.
 XX PT Brockhaus M, Dembic Z, Gentz R, Leisslauer W, Loetscher H;
 PI Schlaeger E;
 DR WPI; 1999-480840/41.
 XX New insoluble proteins, and fragments, that bind to tumor necrosis
 PT factor, used to treat e.g. septic shock or cerebral malaria
 XX Example 11; Page 16; 25pp; German.
 CC This invention describes novel insoluble proteins (I), also their
 CC (insoluble fragments and pharmaceutically acceptable salts, able to bind
 CC tumor necrosis factor (TNF) and in homogeneous form. The products of the
 CC invention have antiinflammatory, immunosuppressive, antibacterial,
 CC antiprotozoal activity. (I), and related recombinant proteins, are used
 CC to treat diseases mediated by TNF, e.g. shock in cases of meningococcal
 CC sepsis; development of autoimmune glomerulonephritis and cerebral
 CC malaria. Also (I), or antibodies specific for them, are used for
 CC diagnostic determination of TNF in body fluids, for affinity purification
 CC of TNF and for identifying (ant)agonists of TNF. This sequence represents
 CC a PCR primer used in the amplification of the human 55 kD TNFBP described

CC necrosis factor (TNF). The products of the invention have
 CC anti-inflammatory and antimarial activity. (I) and (Ia) are used (I)
 CC to treat diseases in which TNF is involved (e.g. septic shock, autoimmune
 CC glomerulonephritis, cerebral malaria, immune responses and inflammation),
 CC (II) to purify TNF, (III) to identify TNF (ant)agonists and (IV) for
 CC diagnostic determination of TNF in body fluids. Antibodies raised against
 CC (I) are used for affinity purification of (I). This sequence represents
 CC a PCR primer used in the amplification of the TNF binding protein of the
 CC invention.
 XX Sequence 29 BP; 5 A; 7 C; 9 G; 8 T; 0 other;
 Query Match 4.1%; Score 23; DB 20; Length 29;
 Best Local Similarity 92.6%; Pred. No. 2.6e+03;
 Matches 25; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 ID AA948858
 AC AA948858
 DT 12-NOV-2001 (first entry)
 DE Human 55 kD TNFBP extracellular fragment PCR primer 2.
 XX TNF; tumor necrosis factor binding protein; TNFBP; treatment;
 KW insoluble protein; antiinflammatory; immunosuppressive; antibacterial;
 KW antiprotozoal; treatment; meningoococcal sepsis; cerebral malaria;
 KW autoimmune glomerulonephritis; PCR primer; ss.
 XX Homo sapiens.
 OS Homo sapiens.
 PN EP1132471-A2.
 PD 12-SEP-2001.
 XX 31-AUG-1990; 2001EP-0108117.
 XX 12-SEP-1989; 89CH-0003319.
 PR 08-MAR-1990; 90CH-0000746.
 PR 20-APR-1990; 90CH-0001347.
 PR 31-AUG-1990; 90EP-0116707.
 PR 31-AUG-1990; 99EP-0100703.
 PA (Hoffmann La Roche & Co AG F.
 XX PT Brockhaus M, Dembic Z, Gentz R, Leisslauer W, Loetscher H;
 PI Schlaeger E;
 DR WPI; 2001-559312/63.
 XX New homogeneous, insoluble proteins that bind tumor necrosis factor
 PT (TNF), useful for treating TNF-mediated disorders, e.g. inflammation
 XX Example 11; Page 16; 26pp; German.

CC This invention describes novel insoluble proteins (I), also their
 CC (insoluble fragments and pharmaceutically acceptable salts, able to bind
 CC tumor necrosis factor (TNF) and in homogeneous form. The products of the
 CC invention have antiinflammatory, immunosuppressive, antibacterial,
 CC antiprotozoal activity. (I), and related recombinant proteins, are used
 CC to treat diseases mediated by TNF, e.g. shock in cases of meningococcal
 CC sepsis; development of autoimmune glomerulonephritis and cerebral
 CC malaria. Also (I), or antibodies specific for them, are used for
 CC diagnostic determination of TNF in body fluids, for affinity purification
 CC of TNF and for identifying (ant)agonists of TNF. This sequence represents
 CC a PCR primer used in the amplification of the human 55 kD TNFBP described

CC In the method of the invention.

XQ Sequence 29 BP; 5 A; 7 C; 9 G; 8 T; 0 other;

Query Match 4.1%; Score 23.8; DB 22; Length 29;

Best Local Similarity 92.6%; Pred. No. 2.6e+03; Indels 0; Gaps 0;

Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 143 CTGGGACTCAGGCCACAGTGCTGT 169

DQ 29 CTGGGACTCAGGCCACAGTGCTGT 3

RESULT 4

AA194017 ID: AA194017 Standard; DNA; 21 BP.

XX AC AA194017;

XX DT 19-MAR-1998 (first entry)

XX DE Primer for TPO/hCG fusion gene.

XX KW Fusion protein; thrombopoletin; TPO; human chorionic gonadotrophin; hCG; PCR primer; ss.

XX OS Synthetic.

OS Homo sapiens.

XX PN WO9730161-A1.

XX PD 21-AUG-1997.

XX PF 20-FEB-1997; 97WO-US02315.

XX PR 20-FEB-1996; 96US-0011936.

XX PA (ISRF) ARS APPLIED RES SYSTEMS HOLDING NV.

XX PT Campbell RK, Chappel SC, Jameson BA;

XX DR WPI: 1997-425036/39.

XX Example: Page 16; 60pp; English.

XX A novel fusion protein comprises 2 dimer forming co-expressed amino acid sequences, each consisting of a homodimeric or heterodimeric receptor chain or ligand, with ligand-receptor binding activity, bound directly or via a peptide linker to a subunit of a heterodimeric protein capable of forming a heterodimer with the hormone, especially FSH, for inducing follicular maturation

XX Example: Page 16; 60pp; English.

XX A novel fusion protein comprising 2 dimer forming co-expressed amino acid sequences, each consisting of a homodimeric or heterodimeric receptor chain or ligand, with ligand-receptor binding activity, bound directly or via a peptide linker to a subunit of a heterodimeric protein capable of forming a heterodimer with the hormone's other subunits. The fusion protein, e.g. the thrombopoletin (TPO)/human chorionic gonadotrophin (hCG) fusion protein encoded by the fusion gene amplified by the present sequence, significantly increases the biological activity of the hormone component, reducing the requirement for hormone itself and the number of injections needed.

XX Sequence 21 BP; 2 A; 5 C; 7 G; 7 T; 0 other;

Query Match 3.6%; Score 21; DB 18; Length 21;

Best Local Similarity 100.0%; Pred. No. 1.5e+04; Indels 0; Gaps 0;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 142 ACTGAGGACTCAGGCCACCA 162

DQ 21 ACTGAGGACTCAGGCCACCA 1

AIA9921/C
ID AIA9921 standard; DNA; 29 BP.
XX AC AIA9921;
XX DT 05-JUL-2002 (first entry)
XX DE Human TNFR1 PCR primer SEQ ID 15.
XX KW Prodrug; TNF; tumour necrosis factor; selectokine; chimeric; apoptosis inducer; gene therapy; scFv antibody; OSA; fibroblast activation protein; tenascin; solid tumour; angiogenesis; treatment; infection; metabolic disease; PCR; primer; ss.
XX OS Homo sapiens.
XX PN E830222833-A1.
XX PD 21-MAR-2002.
XX PR 17-SEP-2001; 2001WO-EPI10730.
XX PR 15-SEP-2000; 2000DE-104592.
XX PA (UWST-) UNIV STUTTGART.
XX PA (PFIZL) PFEIFERMAIER K.
XX PT Pfeifermaier K, Wuest T, Moosmayer D, Grell M, Scheurich P;
DR WPI: 2002-362351/39.
XX PT New polypeptide prodrug, useful e.g. for treating tumors, contains a targeting peptide, active agent and attached inhibitor that is proteolytically cleaved in target cells -
XX PS Example 6; Page 47; 52pp; German.
XX This invention describes a novel polypeptide (I) comprising, in the N to C direction, a region (R1) that recognises selectively a specific macromolecule on a cell surface and/or a component of the extracellular matrix, peptide linker, a region (R2) with biological activity for a specific target molecule, a region (R3) that has a processing site and a region (R4) that inhibits the activity of R2, by intramolecular bonding and/or interaction. The products of the invention have cytostatic and/or immunomodulatory and antiangiogenic activity, induce apoptosis and can be used for gene therapy. KM-1 cells (20000) were incubated with the prodrug W24, containing, essentially, the single-chain Fv antibody OSA, specific for human fibroblast activation protein, trimerization linker, mutant form of the tumour necrosis factor (TNF) precursor protein, a region with a proteolytic cleavage site, and human TNF receptor-1 fragment, and with trypsin (activator) for 5 minutes. After 16 hours, cell viability was determined by MTT staining. Activated W24 had LD50 about 0.5 ng/ml, comparable with that for wild-type TNF and times higher than for uncleaved W24. (I), also nucleic acids encoding them and related vectors, are useful particularly for treating solid tumours and/or pathological angiogenesis, also generally for treating infections and metabolic diseases. (I) are prodrug forms of R2 that have unacceptable toxicity when administered systemically (specifically tumour retention of, or even increase in, therapeutic activity. R2 is released only in target tissue, resulting in a high local concentration, and activity is potentiated by co-activation of receptors. This sequence represents a PCR primer for the amplification of the human TNFR1 fragment used in the construction of the TNF-selectokine W24 and W33. CC products described in the disclosure of the invention.

XX Sequence 29 BP; 3 A; 9 C; 10 G; 7 T; 0 other;

Query Match 3.6%; Score 21; DB 24; Length 29;
Best Local Similarity 82.8%; Pred. No. 1.7e+04; Indels 0; Gaps 0;
Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

RESULT 5

OY	13	CAGAACACCGTGTGACCTGCCATGCAGG 41	Db	1	TTCACCCGACCTCCAGCCTCAC 24
Db	29	CAACACCGTGTGCCCGGAGG 1	RESULT 6		
ID	AAV5815	standard; DNA; 24 BP.	ID	AAV5817	AAV5817 standard; DNA; 24 BP.
XX			XX		
AC	AAV5815;		AC	AAV5817;	
XX			XX		
DT	18-NOV-1998	(first entry)	DT	18-NOV-1998	(first entry)
XX			XX		
DE	Multimerisation of minimal motifs using primer ZGS2.	DE	Multimerisation of minimal motifs using primer ZGR2.		
XX			XX		
KW	Fusion protein; stabilising polypeptide; proteolytic degradation; resistance; half-life; autoimmune disease; inflammation; nitro drug; KappaB regulator protein; inflammatory bowel disease; in vivo imaging; nitroreductase protein; enzyme therapy; produg therapy; protease; cancer; pathological condition; minimal motif; PCR primer; ss.	KW	Fusion protein; stabilising polypeptide; proteolytic degradation; resistance; half-life; autoimmune disease; inflammation; nitro drug; KappaB regulator protein; inflammatory bowel disease; in vivo imaging; nitroreductase protein; enzyme therapy; produg therapy; protease; cancer; pathological condition; minimal motif; PCR primer; ss.		
KW	Epstein-barr virus.	KW	Synthetic.		
OS	Epstein-barr virus.	OS	Epstein-barr virus.		
XX			XX		
PN	WO9822577-A1.	PN	WO9822577-A1.		
XX			XX		
PD	28-MAY-1998.	PD	28-MAY-1998.		
XX			XX		
PR	17-NOV-1997; 97WO-1B01508.	PR	17-NOV-1997; 97WO-1B01508.		
XX			XX		
PR	25-JUN-1997; 97US-0048945.	PR	25-JUN-1997; 97US-0048945.		
PR	15-NOV-1996; 96US-0030986.	PR	15-NOV-1996; 96US-0030986.		
XX			XX		
PA	(MASU/)	PA	(MASU/)		
PA	MASUCCI M G.	PA	MASUCCI M G.		
XX			XX		
PT	Masucci MG;	PT	Masucci MG;		
XX			XX		
DR	WPI; 1998-312463/27.	DR	WPI; 1998-312463/27.		
XX			XX		
PT	New fusion proteins resistant to proteolytic degradation comprising a core protein with a stabilising polypeptide comprising a peptide sequence containing glycine repeats	PT	New fusion proteins resistant to proteolytic degradation comprising a core protein with a stabilising polypeptide comprising a peptide sequence containing glycine repeats		
PT		PT			
PS		PS			
XX			XX		
CC	Sequences shown in AAV5812 to AAV5827 represent primers used in the course of the invention for the multimerisation of minimal motifs. The invention provides a method for increasing the resistance of a core protein to proteolytic degradation that comprises linking or inserting onto or into the core protein a stabilising polypeptide of formula [(Gly _a)(Gly _b)(Gly _c)] _n where Gly _a , Gly _b , Gly _c are 1-6 sequential GLY residues and X, Y, Z are Ala, Ser, Val, Ile, Leu, Met, Phe, Pro or Thr and n can be anything between 1-66. X, Y and Z need not be identical from n repeat to n repeat. Alternatively a nucleic acid encoding a stabilising polypeptide can be linked onto or inserted into a nucleic acid encoding a core protein. The fusion proteins of the invention are more resistant to degradation by proteases and, thus, have a longer half-life than the unfused core protein. The products can be used for treating autoimmune diseases, cancer and inflammation. In particular, the core protein may be an IkappaB regulator protein for the treatment of inflammatory bowel disease, or a nitroreductase protein which can activate nitro drugs in enzyme/prodrug therapy to treat cancer or other pathological conditions. The fusion proteins can also be used in diagnostic methods such as in vivo imaging.	CC	Sequences shown in AAV5812 to AAV5827 represent primers used in the course of the invention for the multimerisation of minimal motifs. The invention provides a method for increasing the resistance of a core protein to proteolytic degradation that comprises linking or inserting onto or into the core protein a stabilising polypeptide of formula [(Gly _a)(Gly _b)(Gly _c)] _n where Gly _a , Gly _b , Gly _c are 1-6 sequential GLY residues and X, Y, Z are Ala, Ser, Val, Ile, Leu, Met, Phe, Pro or Thr and n can be anything between 1-66. X, Y and Z need not be identical from n repeat to n repeat. Alternatively a nucleic acid encoding a stabilising polypeptide can be linked onto or inserted into a nucleic acid encoding a core protein. The fusion proteins of the invention are more resistant to degradation by proteases and, thus, have a longer half-life than the unfused core protein. The products can be used for treating autoimmune diseases, cancer and inflammation. In particular, the core protein may be an IkappaB regulator protein for the treatment of inflammatory bowel disease, or a nitroreductase protein which can activate nitro drugs in enzyme/prodrug therapy to treat cancer or other pathological conditions. The fusion proteins can also be used in diagnostic methods such as in vivo imaging.		
CC	Sequence 24 BP; 4 A; 14 C; 2 G; 4 T; 0 other;	CC	Sequence 24 BP; 3 A; 14 C; 2 G; 5 T; 0 other;		
SQ	Query Match 3.6%; score 20.8%; DB 19; Length 24; Best Local Similarity 91.7%; Pred. No. 1.8e+04; Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	SQ	Query Match 3.3%; score 19.2%; DB 19; Length 24; Best Local Similarity 87.5%; Pred. No. 5.1e+04; Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;		
OY	399 TTCCACCTTCACCTCCAGTCAC 422	OY	399 TTCCACCTTCACCTCCAGTCAC 422		
Db	1 TICCAACGGACCTCCAGTCAC 24	Db	1 TICCAACGGACCTCCAGTCAC 24		
XX		XX			

RESULT: 8
 AAF24737/C
 ID AAF24737 standard; DNA; 27 BP.
 XX
 AC AAF24737;
 XX DT 01-JUN-1999 (first entry)
 XX DE DNA encoding a HRGP motif.
 XX KW Synthetic gene; plant; gum; hydroxyproline-rich glycoprotein; HRGP;
 XX DT AAF24737/2001 (first entry)
 XX DE PCR primer used to amplify DNA encoding CBD-Tma peptide.
 XX KW protein production; food processing; protein antibiotic; feed enzyme;
 XX CBP; PCR primer; ss.
 OS Undescribed.
 XX
 PN WO2007174-A1.
 XX PD 21-DEC-2000.
 XX PF 07-JUN-2000; 2000WO-1100330.
 XX PR 10-JUN-1999; 99US-0329234.
 XX PS (CBDT-) CBD TECHNOLOGIES LTD.
 PA (YISS) YISUM RES DEV CO HEBREW UNIV JERUSALEM.
 XX PI Shani Z, Shozevov O;
 DR XX WPI; 2001-112219/12.
 XX PS
 PT Expressing and isolating recombinant protein in a plant, useful for
 PT producing large quantities of recombinant proteins, by expressing a
 PT fusion protein including a cellulose binding peptide fused to a
 recombinant protein.
 XX Example; Page 48; 87PP; English.
 XX The specification describes a method for expressing and isolating
 CC a recombinant protein in a plant. The method comprising expressing a
 CC fusion protein including the recombinant protein and a cellulose
 CC binding peptide fused to it, where the fusion protein is
 CC compartmentalised and sequestered within plant cells, plant derived
 CC tissue or cultured plant cells. The method is useful for obtaining large
 CC quantities of the recombinant proteins and protein products in a simple
 CC and cost-effective manner. Recombinant proteins may be used commercially,
 CC such as in the food processing industry, e.g. glucoamylases and glucose
 CC isomerasers are used for converting starch to high fructose corn syrup,
 CC proteases for the hydrolysis of high molecular weight proteins and in
 CC manufacturing leather or alcoholic beverages, pectinesterases for
 CC pectin hydrolysis in food industry, lipases for cleaving ester linkage
 CC in triglycerides, and for effluent treatment. The recombinant proteins
 CC may further be used to produce protein antibiotics, which can be used
 CC in healing processes, and to produce animal feed enzymes. PCR primers
 CC AAF24736-37 were used to amplify DNA encoding a CBD-Tma Peptide. The
 CC amplified fragment was used to produce the fusion proteins of the
 CC invention.
 XX Sequence 27 BP; 7 A; 4 C; 12 G; 4 T; 0 other;
 SQ Query Match 3.3%; Score 19.2; DB 22; Length 27;
 Best Local Similarity 87.5%; Pred. No. 5.3e+04;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 520 TCCGACCCATGCCAACCCCTT 543
 Db 26 TCCGACCCATCCCCAACGGTT 3
 RESULT 9
 ID AX27663
 XX AX27663 standard; DNA; 30 BP.

AC AX27663;
 XX DT 01-JUN-1999 (first entry)
 XX DE DNA encoding a HRGP motif.
 XX KW Synthetic gene; plant; gum; hydroxyproline-rich glycoprotein; HRGP;
 XX KW repetitive proline-rich protein; RPRP; arabino-galactan protein; AGP;
 XX KW glycopeptide; ss.
 OS Acacia sp.
 XX PN WO9903978-A1.
 XX PD 28-JAN-1999.
 XX PF 21-JUL-1998; 98WO-US15083.
 XX PR 21-JUL-1998; 98US-0897556.
 XX PR 21-JUL-1997; 97US-0897556.
 PA (UYOR-) UNIV OHIO.
 XX PI Kieliszewski MJ;
 DR XX WPI; 1999-132225/11.
 XX PS Novel synthetic gene designed from repetitive peptide sequences - of
 PT hydroxyproline-rich glycoprotein
 XX PS Claim 1; Page 5; 72PP; English.
 XX CC The invention relates to novel synthetic genes for plant gums. A new
 CC approach is described to the production of hydroxyproline-rich
 CC glycoproteins (HRGPs), repetitive proline-rich proteins (RPRPs) and
 CC arabino-galactan proteins (AGPs). Synthetic genes comprising a nucleic
 CC acid encoding the peptide (AY01267) can be engineered for the
 CC production of repetitive glycopptide modules in cells. The invention
 CC provided a new approach to the problem of producing plant gums that is
 CC not dependent on environmental factors and greatly simplifies the
 CC production of a variety of naturally occurring gums as well as designer
 CC gums. Note: The present nucleotide sequence is indicated as a peptide
 CC sequence in the claims.
 XX SQ Sequence 30 BP; 6 A; 19 C; 0 G; 5 T; 0 other;
 SQ Query Match 3.3%; Score 19.2; DB 20; Length 30;
 Best Local Similarity 87.5%; Pred. No. 5.5e+04;
 Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 Qy 401 CCACCTCACTCAGGCCACT 424
 Db 4 CCACCTCACTCAGGCCACT
 RESULT 10
 ID AB51730
 XX AB51730 standard; DNA; 30 BP.
 AC AB51730;
 XX DT 09-JUL-2002 (first entry)
 XX DE HRGP related oligonucleotide SEQ ID NO:10.
 XX KW Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein;
 XX KW HRGP; repetitive proline-rich protein; RPRP; arabino-galactan protein;
 XX AGP; plant gum; PCR primer; linker; ss.
 OS Acacia senegal.
 OS Synthetic.
 XX PN WO200178503-A2.

from n repeat to n repeat. Alternatively a nucleic acid encoding a stabilising polypeptide can be linked onto or inserted into a nucleic acid encoding a core protein. The fusion proteins of the invention are more resistant to degradation by proteases and, thus, have a longer half-life than the unfused core protein. The products can be used for treating autoimmune diseases, cancer and inflammation. In particular, the core protein may be an IkappaB regulator protein for the treatment of inflammatory bowel disease, or a nitroreductase protein which can activate nitro drugs in enzyme/prodrug therapy to treat cancer or other pathological conditions. The fusion proteins can also be used in diagnostic methods such as in vivo imaging.

XX SQ Sequence 24 BP; 5 A; 13 C; 2 G; 4 T; 0 other;
 XX Query Match 3.2%; Score 18.8; DB 19; Length 24;
 XX Best Local Similarity 90.9%; Pred. No. 6.6e+04;
 XX Matches 20; Conservative 0; Mismatches 2;
 XX Indels 0; Gaps 0;
 QY 400 .GCCACCTCACCCAGCTCCA 421
 Db 2 .TCCACCGCACCTCCAGCTCCA 23

RESULT 13
 AT17807/c
 AT17807 standard; DNA; 30 BP.

XX AC AT17807;
 XX DT 30-OCT-1996 (first entry)

DE Glycosaminoglycan-degrading enzyme inhibitor IgGSPs.
 XX KW Glycosaminoglycan-degrading enzyme; GDE; inhibitor; endoglycosidase; heparanase; heparitinase; mammalian; bacterial; platelet; macrophage; neutrophil; leucocyte; endothelial cell; smooth muscle cell; carcinoma; tumour cell; activation; proliferation; migration; cancer; inflammation; autoimmune disorder; infection; pathogenic organism; atherosclerosis; cardiovascular disease; vascular hyperplasia; restenosis; therapy; ss.

OS Synthetic.
 XX Key location/Qualifiers
 FT modified_base 1..30
 FT /*tag- a phosphorothioate, or phosphorodithioate backbone*/
 FT /note- "phosphorothioate, or phosphorodithioate backbone"
 PN WO9608559-A1.

XX PD 21-MAR-1996.
 XX PR 13-SEP-1995; 95WO-AD00600.
 XX PR 14-AUG-1995; 95AU-0004769.
 XX PR 16-SEP-1994; 94AU-0008226.
 XX PR 16-SEP-1994; 94AU-0008227.

PA (CARD-) CARDIAC CRC NOMINEES PTY LTD.
 XX PI Graham L; Underwood PA;
 XX DR WPI; 1996-179936/18.
 XX PT Oligo:nucleotide(s) having sulphur substns. between nucleoside(s) for inhibiting glycosaminoglycan-degrading enzymes, for treating, e.g. cancer, inflammation, infection or autoimmune disorders.
 XX PT claim 6; Page 33; 73PP; English.

XX AM17805-T17808, and AM17810-T17813 represent these sequences inhibit glycosaminoglycan-degrading enzyme (GDE) inhibitors. The GDES which

these sequences inhibit are endoglycosidases (which cleave

CC glycosaminoglycan chains at internal sites), preferably heparanases (also

known as heparinases) of mammalian or bacterial origin. These sequences can be used for inhibiting GDEs associated with platelets, macrophages, neutrophils, leukocytes, endothelial cells, smooth muscle cells, carcinoma and tumour cells, and bacteria. They can also be used to inhibit smooth muscle cell activation, proliferation or migration. The sequences can be used to treat cancer, inflammation, autoimmune disorders, infection caused by pathogenic organisms, and cardiovascular disease, such as vascular hyperplasia, restenosis and atherosclerosis. These inhibitors can also be used as biochemical reagents for studying GDE activities and mechanisms of enzyme activity.

XX SQ Sequence 30 BP; 0 A; 5 C; 20 G; 5 T; 0 other;
 XX Query Match 3.2%; Score 18.8; DB 17; Length 30;
 XX Best Local Similarity 76.7%; Pred. No. 7.2e+04;
 XX Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;
 QY 451 GCCTCGCTCAGCCATCCCAACCC 540
 Db 30 GACCCGACCCGACCCGACCC 1

RESULT 14

AB151740/c
 ID AB151740 standard; DNA; 30 BP.

XX AC AB151740;

XX DT 09-JUL-2002 (first entry)

DE Hydroxyproline-rich glycoprotein (HRGP) related linker SEQ ID NO:39.

XX KW Plant; Gum arabic glycoprotein; GAGP; hydroxyproline-rich glycoprotein; HRP; repetitive proline-rich protein; RPRP; arabinogalactan protein;

XX KW AGP; plant gum; PCR primer; linker; ss.

XX OS Acacia senegal.

XX OS Synthetic.

XX PN WO2001/8503-A2.

XX PD 25-OCT-2001.

XX PR 12-APR-2001; 2001WO-US12336.

XX PR 12-APR-2000; 2000US-0547693.

XX PA (UWHR-) UNIV OHIO.

XX PI Kieliszewski MJ;

XX DR WPI; 2002-041307/05.

XX PT Nucleic acids and proteins useful for producing hydroxy-proline rich glycoproteins in plants

XX PS Example 2; Page 53; 326PP; English.

XX CC The present invention describes synthetic genes encoding plant gums and other hydroxyproline (Hyp)-rich glycoproteins (HRGPs) and the nucleic acids that encode them. The nucleic acids, proteins and methods from the present invention may be used to produce HRGPs, repetitive proline-rich proteins (RPGPs) and arabinogalactan-proteins (AGPs) in plants via recombinant methodologies. Also described is the expression of synthetic genes designed from repetitive peptide sequences, such as glycoproteins (including the peptide sequences of gum arabic glycoprotein (GAGP), AB151730 to AB15149 and AB78401 to AB7844 represent sequences used in the exemplification of the present invention.

XX SQ Sequence 30 BP; 5 A; 0 C; 19 G; 6 T; 0 other;
 XX Query Match 3.2%; Score 18.4; DB 24; Length 30;
 XX Best Local Similarity 78.6%; Pred. No. 9.4e+04;

Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 402 CACCTTCACTCCAGCTGAACTATACC 429
 DB 29 CACCTTCAACCCATTCTCACCCACCC 2

RESULT

ABR3793/C

ABR3793 standard; DNA; 23 BP.

XX

ABR3793:

XX

DT 07-OCT-2002 (first entry)

XX

DE ~~Catalytic~~ method associated GATA mut oligonucleotide.

XX

KW transcription factor; transcription factor-responsive element;

XX

ds; TPRE; transcription activation; Cell-TRAP.

OS Synthetic.

XX

PN WO20022039-A2.

XX

PD 04-JUL-2002.

XX

PF 21-DEC-2001; 2001WO-CA01861.

XX

PR 27-DEC-2000; 2000CA-2327581.

XX

PA (GENE-) GENERA BIOTECHNOLOGY INC.

XX

PT Blais Y, Rousseau P, Leblanc B, Camato RN;

XX

DR WPI; 2002-575388/61.

XX

PS Disclosure; Page 24; 44pp; English.

XX

A Cell-TRAP method, useful for producing or validating therapeutic compounds, by employing a recombinant cell-based library that carry constructs driven by a minimal promoter and a transcription factor-responsive element.

This invention relates to a cell-TRAP method for selecting and producing a therapeutic compound which is presumed selective for, one or a restricted set of given transcriptional pathways and cell types by employing a recombinant cell-based library that carries a construct comprising a reporter gene driven by a minimal promoter and a transcription factor-responsive element (TPRE). The invention also comprises a method for validating a putative compound as a selective therapeutic compound towards a transcription factor response element. The method of the invention is useful for determining the transcriptional activation pathways used by any compound that is biologically active in a cell. This method allows a global view of gene transcription activation in response to diverse stimuli in multiple environments and is a significant improvement over case-by-case approaches, which would be limited to certain aspects of gene activation. It permits to save on clinical trials by screening properly the compounds that would have a lesser probability of providing undesirable, even severe side effects. The present sequence represents a double stranded oligonucleotide probe recognised by a specific transcription factor which is used in the method of the invention.

Sequence 23 BP; 2 A; 9 C; 8 G; 4 T; 0 other;

Query Match 3.1%; Score 18.2; DB 24; Length 23;
 Best Local Similarity 87.0%; Pred. No. 9 6e+0; Mismatches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 457 CCCCGAGAGGTGGACCACCC 479
 DB 23 CGCCGCAGAGACTGCC 1

Search completed: May 21, 2003, 06:35:23
 Job time : 223 secs

OM nucleic - nucleic search, using sw model
Run Date: May 21, 2003, 06:16:20 ; Search time 75 Seconds
Perfect score: 100%
Sequences: 2387,990 Million cell updates/sec
Scoring rule: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched:

441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 45214

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq: *
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq: *
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq: *
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq: *
5: /cgn2_6/ptodata/1/ina/PCTRUS_COMB.seq: *
6: /cgn2_6/ptodata/1/ina/Backfiles.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
C 1	21	3.6	21 4 US-08-814-166-19	Sequence 19, Appl
C 2	21	3.6	21 4 US-08-910-911-19	Sequence 19, Appl
C 3	20.8	3.6	24 2 US-08-559-190B-7	Sequence 7, Appl
C 4	20	3.4	30 1 US-08-050-319B-15	Sequence 15, Appl
C 5	20	3.4	30 2 US-08-459-982-15	Sequence 15, Appl
C 6	19.2	3.3	24 2 US-08-559-190B-10	Sequence 10, Appl
C 7	18.8	3.2	24 2 US-08-559-190B-16	Sequence 16, Appl
C 8	18.2	3.1	25 2 US-08-433-888A-33	Sequence 33, Appl
C 9	18.2	3.1	25 2 US-08-433-888A-34	Sequence 34, Appl
C 10	18	3.1	18 1 US-08-112-102-15	Sequence 15, Appl
C 11	18	3.1	18 1 US-08-799-15	Sequence 15, Appl
C 12	18	3.1	18 2 US-08-112-861A-15	Sequence 15, Appl
C 13	18	3.1	18 3 US-09-116-038A-47	Sequence 47, Appl
C 14	18	3.1	18 3 US-09-116-038A-48	Sequence 33, Appl
C 15	18	3.1	18 3 US-09-116-038A-49	Sequence 49, Appl
C 16	18	3.1	18 3 US-09-116-038A-50	Sequence 50, Appl
C 17	18	3.1	18 3 US-09-116-038A-51	Sequence 51, Appl
C 18	18	3.1	18 3 US-09-116-038A-52	Sequence 52, Appl
C 19	18	3.1	18 3 US-09-116-038A-53	Sequence 53, Appl
C 20	18	3.1	18 3 US-09-116-038A-54	Sequence 54, Appl
C 21	18	3	US-09-106-038A-55	Sequence 55, Appl
C 22	18	3	US-09-106-038A-56	Sequence 56, Appl
C 23	18	3	US-09-106-038A-57	Sequence 57, Appl
C 24	18	3	US-09-106-038A-58	Sequence 58, Appl
C 25	18	3	US-09-106-038A-59	Sequence 59, Appl
C 26	18	3	US-09-106-038A-60	Sequence 60, Appl
C 27	18	3	US-09-106-038A-61	Sequence 61, Appl

ALIGNMENTS

RESULT 1
US-08-804-166-19/C
; Sequence 19, Application US/08804166
; Patent No. 6193972
GENERAL INFORMATION:
APPLICANT: Campbell, Robert K.
APPLICANT: Jameson, Bradford A.
APPLICANT: Chappel, Scott C.
TITLE OF INVENTION: HYBRID PROTEINS
NUMBER OF SEQUENCES: 22
CORRESPONDENCE ADDRESS:
ADDRESSEE: BRODY AND NETMARK
STREET: 419 Seventh Street N.W., Ste. 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 22207

COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/804,166
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/011,916
FILING DATE: 20 February 1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Brody, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: CAMPBELL-2A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 638-5197
TELEX: (202) 737-3528
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA

US-08-804-166-19
Query Match Score: 3.6%; Score: 21; DB 4; Length: 21;
Best Local Similarity: 100.0%; Pred. No. 1.3e+03;
Matches: 21; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

QY 142 ACTGAGGACTCAGGCCACCA 162

US 08-910-910B-7

Sequence 15 Application US/08910991

Patent No. 6194177

GENERAL INFORMATION:

APPLICANT: Campbell, Robert K.

ATTORNEY/AGENT INFORMATION:

APPLICANT: Jameson, Bradford A.

ATTORNEY/AGENT INFORMATION:

APPLICANT: Chapel, Scott C.

TITLE OF INVENTION: HYBRID PROTEINS

NUMBER OF SEQUENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWNE AND NEIMARK

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 22207

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Wordperfect 6.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/910-991

FILING DATE: 15-SEP-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: SE9501324-9

FILING DATE: 10-APR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US08/522,595

FILING DATE: 01-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Ph.D., Kathleen A.

REGISTRATION NUMBER: 34-380

REFERENCE/DOCKET NUMBER: 3255/53015

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-345-9100

TELEFAX: 617-345-9111

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/910-991

FILING DATE: 20-February-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/804,166

FILING DATE: 20-February-1997

REFERENCE/DOCKET NUMBER: CAMPBELL-2B

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 21 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: cDNA

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: linear

SEQUENCE:

US-08-910-911-19

Query Match 3.6%; Score 21; DB 4; Length 21;

Best Local Similarity 100.0%; Score 21; DB 4; Length 21;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 142 ACTGAGGACTCAGGCCACCA 162

DB 21 ACTGGAGGACTCAGGCCACCA 1

RESULT 3

US-08-520-190B-7

Sequence 7 Application US/08520190B

Patent No. 5833901

GENERAL INFORMATION:

APPLICANT: Masucci, Maria G.

TITLE OF INVENTION: GLYCINE-CONTAINING SEQUENCES

NUMBER OF INVENTION: CONFERRING INVISIBILITY TO THE IMMUNE SYSTEM

CORRESPONDENCE ADDRESS:

ADDRESSEE: Banner & Witcoff, Ltd.

STREET: One Financial Center

CITY: Boston

STATE: MA

ZIP: 02111

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: Wordperfect 6.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/520-190B

FILING DATE: 15-SEP-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: SE9501324-9

FILING DATE: 10-APR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US08/522,595

FILING DATE: 01-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Ph.D., Kathleen A.

REGISTRATION NUMBER: 34-380

REFERENCE/DOCKET NUMBER: 3255/53015

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-345-9100

TELEFAX: 617-345-9111

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/520-190B

FILING DATE: 20-February-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/804,166

FILING DATE: 20-February-1997

REFERENCE/DOCKET NUMBER: CAMPBELL-2B

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 24 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: linear

MOLECULE TYPE: other nucleic acid

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLogy: linear

SEQUENCE:

US-08-520-190B-7

Query Match 3.6%; Score 21; DB 4; Length 24;

Best Local Similarity 91.7%; Pred. No. 1.6e+03; Mismatches 2; Inels 0; Gaps 0;

Matches 22; Conservative 0; Mismatches 2; Inels 0; Gaps 0;

QY 142 ACTGGAGGACTCAGGCCACCA 162

DB 21 ACTGGAGGACTCAGGCCACCA 1

RESULT 4

US-08-050-319B-15/C

Sequence 15 Application US/08050319B

Patent No. 5633145

GENERAL INFORMATION:

APPLICANT: Feldmann, P.W. Gray'

ATTORNEY/AGENT INFORMATION:

APPLICANT: M.J.C. Turner, F.M.Brennan

TITLE OF INVENTION: Modified human Tumeralpha (Tumor

NUMBER OF SEQUENCES: 57

TITLE OF INVENTION: Neurosis Factor alpha) Receptor

CORRESPONDENCE ADDRESS:

ADDRESSEE: Reed & Robbins

STREET: 635 Bryant Street

CITY: Palo Alto

STATE: California

COUNTRY: USA

ZIP: 94301

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/050-319B

FILING DATE: 10-May-1993

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Robbins, Roberta L.

COUNTRY: USA
ZIP: 02111

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: Wordperfect 6.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/529,190B

FILING DATE: 15-SEP-1995

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/95/01324-9

FILING DATE: 10-APR-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/522,595

FILING DATE: 01-SEP-1995

ATTORNEY/AGENT INFORMATION:

NAME: Williams, Ph.D., Kathleen A.

REGISTRATION NUMBER: 34,380

REFERENCE/DOCKET NUMBER: 3355/53015

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617-345-9100

TELEFAX: 617-345-9111

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 24 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

US-08-529-190B-16

Query Match 3.2%; score 18.8; DB 2; Length 24;

Best Local Similarity 90.9%; Pred. No. 6.2e+03; Mismatches 20; Conservative 0; Indels 0; Gaps 0;

Matches 20; Conservatve 0; Mismatches 2; Indels 0; Gaps 0;

Db 2 TCCACCGCGCACCTCCAGCTCCA 23

RESULT 8

US-08-403-888A-33/C

Sequence 33, Application US/08403888A

PATENT NO. 5952490

GENERAL INFORMATION:

APPLICANT: Hanecka et al.

TITLE OF INVENTION: Oligonucleotides Having A Conserved G4 Core

NUMBER OF SEQUENCES: 146

CORRESPONDENCE ADDRESS:

ADDRESSSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5952490rls LLP

STREET: One Liberty Place - 46th Floor

CITY: Philadelphia

STATE: PA

COUNTRY: U.S.A.

ZIP: 19103

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch disk, 1.44 Mb

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Wordperfect 6.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/403,888A

FILING DATE: 12-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/954,185

ATTORNEY/AGENT INFORMATION:

NAME: Paul K. Legard

REGISTRATION NUMBER: 38,534

REFERENCE/DOCKET NUMBER: ISIS-1229

TELECOMMUNICATION INFORMATION:

TELEPHONE: 215-568-3100

TELEFAX: 215-568-3439

INFORMATION FOR SEQ ID NO: 34:

SEQUENCE CHARACTERISTICS:

LENGTH: 25

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-403-888A-34

Query Match 3.1%; Score 18.2; DB 2; Length 25;

Best Local Similarity 87.0%; Pred. No. 9.6e+03; Mismatches 20; Conservative 0; Indels 0; Gaps 0;

Db 518 CCTCCGACCCACCCCAACCCCC 540

Db 25 CCCCCAACCCACCCCAACCCC 3

RESULT 10
US-08-192-102-15/cSequence 15, Application US/08192102
Patent No. 5693672

GENERAL INFORMATION:

APPLICANT: Le, Junming

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter E.

{

APPLICANT: Glydayd, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott A.

APPLICANT: Siegel, Scott A.

TITLE OF INVENTION: ANTI-TNF ANTIBODIES AND ASSAYS EMPLOYING

TITLE OF INVENTION: ANTI-TNF ANTIBODIES

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: Massachusetts

ZIP: 02173

COUNTRY: USA

US-08-324-739-15/c
Sequence 15, Application US/08324739Patent No. 5693195
GENERAL INFORMATION:

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter E.

{

APPLICANT: Glydayd, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott A.

APPLICANT: Siegel, Scott A.

TITLE OF INVENTION: ANTI-HUMAN TUMOR NECROSIS FACTOR

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: Massachusetts

ZIP: 02173

COUNTRY: USA

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/192,102
FILING DATE: 04-FEB-1994
CLASSIFICATION: 424
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/192,093
FILING DATE: 04-FEB-1994
APPLICATION NUMBER: US 08/013,413
FILING DATE: 02-FEB-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/010,406
FILING DATE: 29-JAN-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/943,852
FILING DATE: 11-SEP-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/853,606
FILING DATE: 18-MAR-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/670,827
FILING DATE: 18-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: BROOK, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: NYU93-01MA3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNAUS-08-324-739-15/c
Sequence 15, Application US/08324739
Patent No. 5693195
GENERAL INFORMATION:
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter E.
APPLICANT: Glydayd, John
APPLICANT: Knight, David M.
APPLICANT: Siegel, Scott A.
TITLE OF INVENTION: ANTI-TNF ANTIBODIES AND PEPTIDES
TITLE OF INVENTION: ANTI-HUMAN TUMOR NECROSIS FACTOR
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
ZIP: 02173
COUNTRY: USACOMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/324,799
FILING DATE: 18-OCT-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/192,093
FILING DATE: 04-FEB-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/192,102
FILING DATE: 18-OCT-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/013,413
FILING DATE: 02-FEB-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/010,406
FILING DATE: 29-JAN-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/013,413
FILING DATE: 02-FEB-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/010,406
FILING DATE: 29-JAN-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/943,852
FILING DATE: 11-SEP-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/853,606
FILING DATE: 18-MAR-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/670,827
FILING DATE: 18-MAR-1991
ATTORNEY/AGENT INFORMATION:
NAME: BROOK, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: NYU93-01MA4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNAQuery Match 3.1%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 9.4e+03;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 109 TTGTGCTTACCCAGATT 126
Db 18 TTGTGCTTACCCAGATT 1

Db

18 TGTGCCAACCGAGT 1

RESULT 13
US-09-106-038A-47/c
Sequence 47 Application US/09106038A
PATENT NO. 600795
GENERAL INFORMATION:

APPLICANT: Brenda F. Baker and Ilex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF TNF_{RI}
SEQUENCE ID: 15
TITLE OF INVENTION: METHODS OF TREATING TNF-MEDIATED DISEASE USING EXPRESSION
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESS:
ADDRESSEE: Isis Pharmaceuticals, Inc.
STREET: 2292 Faraday Avenue
CITY: Carlsbad
STATE: CA
COUNTRY: U.S.A.

ZIP: 92008
COMPUTER READABLE FORM:
MEDIUM TYPE: 3 1/2 inch disk, 1.44 MB

COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC Compatible

RESULT 12
US-08-192-861A-15/c
Sequence 15 Application US/08192861A
GENERAL INFORMATION:
APPLICANT: Le, Junming
APPLICANT: Vilcek, Jan
APPLICANT: Daddona, Peter E.
APPLICANT: Ghavre, John
APPLICANT: Knight, David M.
APPLICANT: Siegal, Scott A.
TYPE OF INVENTION: METHODS OF TREATING TNF-MEDIATED DISEASE USING
TITLE OF INVENTION: CHIMERIC ANTI-TNF ANTIBODIES (As Amended)
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/192,861A

FILING DATE: 04-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/013,413

FILING DATE: 02-FEB-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/010,406

FILING DATE: 29-JAN-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/943,852

FILING DATE: 11-SEP-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/670,827

FILING DATE: 18-MAR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Brook, David E.

REGISTRATION NUMBER: 22,592

REFERENCE/DOCKET NUMBER: NYU03-01M2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781) 861-6240

TELEFAX: (781) 861-9540

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 18 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-08-192-861A-15

Query Match 3.1%; Score 18; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 9.4e+03; Mismatches 0; Indels 0; Gaps 0;

Matches 18; Conservative 0; MisMatches 0; Indels 0; Gaps 0;

QY 109 TGTGCCAACCGAGT 126

Db 18 TGTGCCAACCGAGT 1

RESULT 14
US-09-106-038A-48/c
Sequence 48 Application US/09106038A
PATENT NO. 600795
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker and Ilex M. Cowser
TITLE OF INVENTION: ANTISENSE MODULATION OF TNFR1
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESS:
ADDRESSEE: Isis Pharmaceuticals, Inc.
STREET: 2292 Faraday Avenue
CITY: Carlsbad
STATE: CA
COUNTRY: U.S.A.

ZIP: 92008
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch disk, 1.44 Mb

COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows NT

SOFTWARE: Microsoft Word 97

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/106,038A

FILING DATE: June 26, 1998

Search completed: May 21, 2003, 07:31:30
 Job time : 77 secs

CLASSIFICATION: 514
 ATTORNEY/AGENT INFORMATION:
 NAME: Laurel Spear Bernstein
 REGISTRATION NUMBER: 37,280
 REFERENCE/DOCKET NUMBER: RTS-0004
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (760) 931-9200
 FAX: (760) 603-3820
 INFORMATION FOR SEQ ID NO: 48:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 18
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-106-038A-49

Query Match 3.1%; Score 18; DB 3; Length 18;
 Best Local Similarity 100.0%; Pred. No. 9.4e+03; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; MisMatches 0; Del 0; Insert 0; Gap 0;

Qy	60	CAGCTGTCCTGTAG	77
Db	18	CAGCTGTCCTGTAG	1

RESULT 15
 US-09-106-038A-49/C
 Sequence 49, Application US/09106038A
 ; Patent No. 6007995
 ; GENERAL INFORMATION:
 ; APPLICANT: Brenda F. Baker and Tex M. Consert
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF TNFRI
 ; TITLE OF INVENTION: EXPRESSION
 ; NUMBER OF SEQUENCES: 91
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ISIS Pharmaceuticals, Inc.
 ; STREET: 2292 Faraday Avenue
 ; CITY: Carlsbad
 ; STATE: CA
 ; COUNTRY: U.S.A.
 ; ZIP: 92008
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: 3.5 inch disk, 1.44 Mb
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: Windows NT
 ; SOFTWARE: Microsoft Word 97
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/106,038A
 ; FILING DATE: June 26, 1998
 ; CLASSIFICATION: 514
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Laurel Spear Bernstein
 ; REGISTRATION NUMBER: 37,280
 ; REFERENCE/DOCKET NUMBER: RTS-0004
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (760) 931-9200
 ; FAX: (760) 603-3820
 ; INFORMATION FOR SEQ ID NO: 49:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 18
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-09-106-038A-49

Query Match 3.1%; Score 18; DB 3; Length 18;
 Best Local Similarity 100.0%; Pred. No. 9.4e+03; Mismatches 0; Indels 0; Gaps 0;
 Matches 18; Conservative 0; MisMatches 0; Del 0; Insert 0; Gap 0;

Qy 70 TCTCTGTTAGTACTGTAG 87
 Db 18 CCTCTGTTAGTACTGTAG 1

Run Date: May 21, 2003, 06:31:36 ; Search time 128 Seconds
 Copyright (C) 1993 - 2003 CompuGen Ltd.
 OM nucleic - nucleic search, using sw model

Scoring Table:	May 21, 2003, 06:31:36 ; Search time 128 Seconds (without alignments), 6024.609 Million cell updates/sec
Title:	US-09-695-451-1_COPY_727_1310
Perfect score:	1 tgcacagaaacacaacac.....cacaaggccacacagactaga 584
Sequence:	IDENTITY_NUC Gapop 10.0 , Gapext 1.0
Searched:	828747 seqs, 660231138 residues
Post-processing:	Minimum Match 0% Maximum Match 100% Listing first 45 summaries
Database :	Published Applications_NA.*
1:	/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
2:	/cgn2_6/ptodata/2/pubpna/PCM_NEW_PUB.seq:*
3:	/cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
4:	/cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
5:	/cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*
6:	/cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
7:	/cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*
8:	/cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*
9:	/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
10:	/cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
11:	/cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
12:	/cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
13:	/cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14:	/cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. 18 is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	DB ID	Description
1	30	5.1	30	9	US-09-898-234-9
2	30	5.1	30	9	US-09-792-3356-9
3	30	5.1	30	10	US-09-899-422-9
4	21	3.6	21	10	US-09-756-186-19
5	18.8	3.2	30	10	US-09-828-034-7
6	18.2	3.1	23	9	US-10-113-877-128
7	18	3.1	18	9	US-10-043-432-15
8	18	3.1	18	10	US-09-716-301A-15
9	18	3.1	18	10	US-09-927-703-15
10	18	3.1	18	10	US-09-766-535A-15
11	18	3.1	18	10	US-09-756-161A-15
12	18	3.1	18	12	US-10-010-229-15
13	18	3.1	18	12	US-10-043-450-15
14	18	3.1	18	12	US-10-043-534-15
15	18	3.1	24	10	US-09-757-041-11
16	18	3.1	30	10	US-09-810-502-25
17	17.4	3.0	30	9	US-09-085-906-22
18	16.8	2.9	21	9	US-09-949-427-355
19	16.2	2.8	29	9	US-09-746-783-203

RESULT 1
 US-09-898-234-9
 Sequence 9, Application US/09898234
 Patent No. US20020155112A1
 GENERAL INFORMATION:
 APPLICANT: Hauptmann, Rudolph
 APPLICANT: Himmer, Adolf
 APPLICANT: Maurer-Pogy, Ingrid
 APPLICANT: Stratowa, Christian
 TITLE OF INVENTION: TNF Receptors, TNF Binding P.
 TITLE OF INVENTION: Them
 FILE REFERENCE: 98_385-I
 CURRENT APPLICATION NUMBER: US/09/898,234
 CURRENT FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: 09/525,998
 PRIOR FILING DATE: 2000-03-15
 PRIOR APPLICATION NUMBER: 08/388,676
 PRIOR FILING DATE: 1995-02-01
 PRIOR APPLICATION NUMBER: US/09/898,234
 PRIOR FILING DATE: 2001-07-03
 PRIOR APPLICATION NUMBER: 07/821,750
 PRIOR FILING DATE: 1992-01-02
 PRIOR APPLICATION NUMBER: 07/511,430
 PRIOR FILING DATE: 1990-04-20
 NUMBER OF SEQ ID NOS: 87
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 9
 LENGTH: 30
 TYPE: DNA
 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: CDS
 LOCATION: (1)..(30)
 US-09-898-234-9

Query Match 5.1%; Score 30; DB 9;
 Best Local Similarity 100.0%; Pred. No. 3.1;
 Matches 30; Conservative 0; Mismatches 0

OY 133 CTTAAAGGCACTGGAGCTCGGCCACCA 162
 Db 1 GTTAAAGGCACCTGGAGCTCGGCCACCA 30

Sequence 36, Appl
Sequence 3, Appl
Sequence 68, Appl
Sequence 15, Appl
Sequence 4, Appl
Sequence 1996, Ap
Sequence 2122, AP
Sequence 13915, A
Sequence 13916, A
Sequence 13917, A
Sequence 13918, A
Sequence 29, Appl
Sequence 216, App
Sequence 4, Appl
Sequence 4, Appl
Sequence 7, Appl
Sequence 4, Appl
Sequence 4, Appl
Sequence 4, Appl
Sequence 12, Appl
Sequence 4, Appl
Sequence 87, Appl
Sequence 33, Appl
Sequence 33, Appl
Sequence 32, Appl

RESULT 2

US-09-792-356-9

Sequence 9, Application US/09792356

Publication No. US2002013485A1

GENERAL INFORMATION:

APPLICANT: Hauptmann, Rudolph

APPLICANT: Himpler, Adolf

APPLICANT: Maurer-Fogy, Ingrid

APPLICANT: Stratora, Christian

TITLE OF INVENTION: TNF Receptors, TNF Binding Proteins and DNAs Coding for

FILE REFERENCE: 98_385-G

CURRENT APPLICATION NUMBER: US/09/792,356

CURRENTE FILING DATE: 2001-05-17

PRIOR APPLICATION NUMBER: 08/477,639

PRIOR APPLICATION NUMBER: 08/383,676

PRIOR FILING DATE: 1995-06-07

PRIOR APPLICATION NUMBER: 08/153,287

PRIOR FILING DATE: 1993-11-17

PRIOR APPLICATION NUMBER: 07/821,750

PRIOR FILING DATE: 1992-01-02

PRIOR APPLICATION NUMBER: 07/511,430

PRIOR FILING DATE: 1990-04-20

NUMBER OF SEQ ID NOS: 87

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO: 9

LENGTH: 30

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (1)..(30)

US-09-792-356-9

RESULT 3

US-09-899-422-9

Sequence 9, Application US/09899422

GENERAL INFORMATION:

APPLICANT: Hauptmann, Rudolph

APPLICANT: Himpler, Adolf

APPLICANT: Maurer-Fogy, Ingrid

APPLICANT: Stratora, Christian

TITLE OF INVENTION: TNF Receptors, TNF Binding Proteins and DNAs Coding for

TITLE OF INVENTION: Them

FILE REFERENCE: 98_385-H

CURRENT APPLICATION NUMBER: US/09/899,422

PRIOR FILING DATE: 2001-08-21

PRIOR APPLICATION NUMBER: 09/525,998

PRIOR FILING DATE: 2000-03-15

PRIOR APPLICATION NUMBER: 08/383,676

PRIOR FILING DATE: 1995-02-01

PRIOR APPLICATION NUMBER: 08/153,287

PRIOR FILING DATE: 1993-11-17

PRIOR APPLICATION NUMBER: 07/821,750

PRIOR FILING DATE: 1992-01-02

PRIOR APPLICATION NUMBER: 07/511,430

PRIOR FILING DATE: 1990-04-20

NUMBER OF SEQ ID NOS: 87

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO: 9

LENGTH: 30
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(30)

US-09-756-186-19/C

Query Match

Best Local Similarity 5.1%; Score 30; DB 10; Length 30;

Matches 30; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 133 GTTAAGGCACTGGGAACTCAGGCACCA 162

Db 1 GTTAAGGCACTGGGAACTCAGGCACCA 30

RESULT 4

US-09-756-186-19/C

Query Match

Best Local Similarity 100.0%; Pred. No. 3.1; Mismatches 0; Indels 0; Gaps 0;

Patient No. US2001001333A1

GENERAL INFORMATION:

APPLICANT: Campbell, Robert K.

APPLICANT: Jameson, Bradford A.

APPLICANT: Chappel, Scott C.

TITLE OF INVENTION: HYBRID PROTEINS

NUMBER OF SEQIDENCES: 22

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWNY AND NEIMARK

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 22207

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/756,186

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA: 08/804,166

APPLICATION NUMBER:

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Brody, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: CAMPBELL-2A

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 628-5197

TELEFAX: (202) 737-3528

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-09-756-186-19

Query Match

Best Local Similarity 3.6%; Score 21; DB 10; Length 21;

Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 142 ACTGAGGACTCAGGCACCA 162

Db 21 ACTGAGGACTCAGGCACCA 1

RESULT 5

US-09-828-034-7

Sequence 7, Application US/09828034

Patent No. US20020064771A1

GENERAL INFORMATION:

APPLICANT: Zhong, Weidong

APPLICANT: Ferrari, Eric

TYPE OF INVENTION: RNA REPLICASE COMPLEXES

FILE REFERENCE: IN01165

CURRENT APPLICATION NUMBER: US/09/828/034

CURRENT FILING DATE: 2001-04-05

PRIOR APPLICATION NUMBER: U.S. 60/195,852

PRIOR FILING DATE: 2000-04-06

NUMBER OF SEQ ID NOS: 33

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO: 7

LENGTH: 30

TYPE: RNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA

US-09-828-034-7

GENERAL INFORMATION:

APPLICANT: Le, Junning

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter

APPLICANT: Chirayeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of

TITLE OF INVENTION: Human Tumor Necrosis Factor

FILE REFERENCE: 0975.1005-013

CURRENT APPLICATION NUMBER: US/10/043.432

CURRENT FILING DATE: 2002-01-10

PRIOR APPLICATION NUMBER: 09/927,703

PRIOR FILING DATE: 2001-08-10

PRIOR APPLICATION NUMBER: U.S. 09/756,398

PRIOR FILING DATE: 2001-01-08

PRIOR APPLICATION NUMBER: U.S. 09/133,119

PRIOR FILING DATE: 1998-08-12

PRIOR APPLICATION NUMBER: U.S. 08/570,674

PRIOR FILING DATE: 1995-12-11

PRIOR APPLICATION NUMBER: U.S. 08/324,799

PRIOR FILING DATE: 1994-10-18

PRIOR APPLICATION NUMBER: U.S. 08/192,102

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/192,861

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/192,093

PRIOR FILING DATE: 1994-02-04

PRIOR APPLICATION NUMBER: U.S. 08/010,406

PRIOR FILING DATE: 1993-01-29

PRIOR APPLICATION NUMBER: U.S. 08/013,413

PRIOR FILING DATE: 1993-02-02

PRIOR APPLICATION NUMBER: U.S. 07/943,852

PRIOR FILING DATE: 1992-09-11

PRIOR APPLICATION NUMBER: U.S. 07/853,606

PRIOR FILING DATE: 1992-03-18

PRIOR APPLICATION NUMBER: U.S. 07/670,827

PRIOR FILING DATE: 1991-03-18

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO: 15

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: PCR oligonucleotides

US-10-043-432-15

RESULT 8

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 8

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 100.0%; Pred. No. 2.2e+04;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TGTGCGCTTACCCAGAT 126

DB 18 TGTGCGCTTACCCAGAT 1

RESULT 8

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

Query Match 3.1%; Score 18.2; DB 9; Length 18;

Best Local Similarity 87.0%; Pred. No. 2.2e+04;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 457 CCCCGAGAGGGTGCCACCCC 479

DB 23 GCGCGAGAGGGTGCCACCCC 1

RESULT 7

PRIOR APPLICATION NUMBER: U.S. 09/133,119
 PRIOR FILING DATE: 1998-08-12
 PRIOR APPLICATION NUMBER: U.S. 08/570,674
 PRIOR FILING DATE: 1995-12-11
 PRIOR APPLICATION NUMBER: U.S. 08/324,799
 PRIOR FILING DATE: 1994-10-18
 PRIOR APPLICATION NUMBER: U.S. 08/192,102
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/192,861
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/192,093
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/010,406
 PRIOR FILING DATE: 1993-01-29
 PRIOR APPLICATION NUMBER: U.S. 08/013,413
 PRIOR FILING DATE: 1993-02-02
 PRIOR APPLICATION NUMBER: U.S. 07/943,852
 PRIOR FILING DATE: 1992-09-11
 PRIOR APPLICATION NUMBER: U.S. 07/670,827
 PRIOR FILING DATE: 1991-03-18
 NUMBER OF SEQ ID NOS: 19
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 15
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: PCR oligonucleotides
 US-09-927-703-15
 Query Match 3.1%; Score 18; DB 10; Length 18;
 Best Local Similarity 10.0%; Pred. No. 2.2e+04;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 109 TTTGGCTTACCCAGTT 126
 Db 18 TTTGGCCATCCCCAGATT 1
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: PCR oligonucleotides
 US-09-927-703-15
 Query Match 3.1%; Score 18; DB 10; Length 18;
 Best Local Similarity 10.0%; Pred. No. 2.2e+04;
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 109 TTTGGCCATCCCCAGATT 126
 Db 18 TTTGGCCATCCCCAGATT 1
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: PCR oligonucleotides
 RESULT 9
 Sequence 15, Application US/09927703
 Patent No. US20020022720A1
 GENERAL INFORMATION:
 APPLICANT: Le, Juming
 APPLICANT: Vilcek, Jan
 APPLICANT: Daddona, Peter
 APPLICANT: Ghayeb, John
 APPLICANT: Knight, David M.
 APPLICANT: Siegel, Scott
 TITLE OF INVENTION: Human Tumor Necrosis Factor
 FILE REFERENCE: 0975.1005-013
 CURRENT APPLICATION NUMBER: US/09/927,703
 CURRENT FILING DATE: 2001-03-18
 PRIOR APPLICATION NUMBER: U.S. 09/133,119
 PRIOR FILING DATE: 1998-08-12
 PRIOR APPLICATION NUMBER: U.S. 08/570,674
 PRIOR FILING DATE: 1995-12-11
 PRIOR APPLICATION NUMBER: U.S. 08/324,799
 PRIOR FILING DATE: 1994-10-18
 PRIOR APPLICATION NUMBER: U.S. 08/192,102
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/192,861
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/192,093
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/010,406
 PRIOR FILING DATE: 1993-01-29
 PRIOR APPLICATION NUMBER: U.S. 08/013,413
 PRIOR FILING DATE: 1993-02-02
 PRIOR APPLICATION NUMBER: U.S. 07/943,852
 PRIOR FILING DATE: 1992-09-11
 PRIOR APPLICATION NUMBER: U.S. 07/670,827
 PRIOR FILING DATE: 1991-03-18
 NUMBER OF SEQ ID NOS: 19
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 15
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: PCR oligonucleotides

US-09-766-535n-15

Query Match

Best Local Similarity 100.0%; Pred. No. 2.2e+04; Mismatches 0;

Matches 18; Conservative 0; Indels 0; Gaps 0;

QY 109 TTGTGCCCTACCCAGATT 126

Db 18 TTGTGCCCTACCCAGATT 1

RESULT 11

US-09-756-15/c

Sequence 15 Application US/09756161A

Patent No. US20020133307A1

GENERAL INFORMATION:

APPLICANT: Le, Junning

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter

APPLICANT: Ghareeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of

TITLE OF INVENTION: Human Tumor Necrosis Factor

FILE REFERENCE: 0975-1005-013

CURRENT APPLICATION NUMBER: US/10/010,229

CURRENT FILING DATE: 2001-12-07

PRIORITY APPLICATION NUMBER: US/09/927,703

PRIORITY FILING DATE: 2001-08-10

NUMBER OF SEQ ID NOS: 19

SEQ ID NO 15

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial sequence

FEATURE: PCR oligonucleotides

OTHER INFORMATION: PCR oligonucleotides

US-09-756-15/c

Query Match

Best Local Similarity 100.0%; Pred. No. 2.2e+04; Mismatches 0;

Matches 18; Conservative 0; Indels 0; Gaps 0;

QY 109 TTGTGCCCTACCCAGATT 126

Db 18 TTGTGCCCTACCCAGATT 1

RESULT 13

US-10-043-450-15/c

Sequence 15 Application US/10043450

Patent No. US20020141996A1

GENERAL INFORMATION:

APPLICANT: Le, Junning

APPLICANT: Vilcek, Jan

APPLICANT: Daddona, Peter

APPLICANT: Ghareeb, John

APPLICANT: Knight, David M.

APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of

TITLE OF INVENTION: Human Tumor Necrosis Factor

FILE REFERENCE: 0975-1005-013

CURRENT APPLICATION NUMBER: US/10/043,450

CURRENT FILING DATE: 2002-01-10

PRIORITY APPLICATION NUMBER: 09/927,703

PRIORITY FILING DATE: 2001-08-10

PRIORITY APPLICATION NUMBER: U.S. 09/756,398

PRIORITY FILING DATE: 2001-01-08

PRIORITY APPLICATION NUMBER: U.S. 09/133,119

PRIORITY FILING DATE: 1993-01-29

PRIORITY APPLICATION NUMBER: U.S. 08/013,413

PRIORITY FILING DATE: 1993-07-02

PRIORITY APPLICATION NUMBER: U.S. 07/943,852

PRIORITY FILING DATE: 1994-09-11

PRIORITY APPLICATION NUMBER: U.S. 07/853,606

PRIORITY FILING DATE: 1992-03-18

PRIORITY APPLICATION NUMBER: U.S. 07/670,827

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 15

LENGTH: 18

TYPE: DNA

ORGANISM: Artificial sequence

FEATURE: PCR oligonucleotides

OTHER INFORMATION: PCR oligonucleotides

US-09-756-16A-15

Query Match

Best Local Similarity 100.0%; Pred. No. 2.2e+04; Mismatches 0;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 109 TTGTGCCCTACCCAGATT 126

Db 18 TTGTGCCCTACCCAGATT 1

RESULT 12

US-10-010-229-15/c

Sequence 15 Application US/10010229

; Patent No. US2002011405A1

GENERAL INFORMATION:

PRIOR FILING DATE: 1991-03-18
 NUMBER OF SEQ ID NOS: 19
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 15
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial Sequence
 OTHER INFORMATION: PCR oligonucleotides

US-10-043-450-15
 Query Match Similarity 3.1%; Score 18; DB 12; Length 18;
 Best Local Similarity 100.0%; Pred. No. 2.2e+04;
 Matches 18; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;
 Qy 1.185 TTAGGCCATACCCAGATT 126
 Db 18 TTAGGCCATACCCAGATT 1

RESULT 14
 US-10-044-534-15/c
 Sequence 15, Application US/10044534
 Patent No. US2002016419A1
 GENERAL INFORMATION:
 APPLICANT: Le, Junming
 APPLICANT: Vilcek, Jan
 APPLICANT: Daddona, Peter
 APPLICANT: Girayev, John
 APPLICANT: Knight, David M.
 APPLICANT: Siegel, Scott

TITLE OF INVENTION: Anti-TNF Antibodies and Peptides of Human Tumor Necrosis Factor
 FILE REFERENCE: 09/15.1005-013
 CURRENT APPLICATION NUMBER: US/10044-534
 CURRENT FILING DATE: 2002-01-10
 PRIOR APPLICATION NUMBER: 09/927,703
 PRIOR FILING DATE: 2001-08-10
 PRIOR APPLICATION NUMBER: U.S. 09/756,398
 PRIOR FILING DATE: 2001-01-08
 PRIOR APPLICATION NUMBER: U.S. 09/133,119
 PRIOR FILING DATE: 1998-08-12
 PRIOR APPLICATION NUMBER: U.S. 08/570,674
 PRIOR FILING DATE: 1995-12-11
 PRIOR APPLICATION NUMBER: U.S. 08/324,799
 PRIOR FILING DATE: 1994-10-18
 PRIOR APPLICATION NUMBER: U.S. 08/192,102
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/192,861
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/192,993
 PRIOR FILING DATE: 1994-02-04
 PRIOR APPLICATION NUMBER: U.S. 08/7010,406
 PRIOR FILING DATE: 1993-01-29
 PRIOR APPLICATION NUMBER: U.S. 08/013,413
 PRIOR FILING DATE: 1993-02-02
 PRIOR APPLICATION NUMBER: U.S. 07/943,852
 PRIOR FILING DATE: 1992-09-11
 PRIOR APPLICATION NUMBER: U.S. 07/853,606
 PRIOR FILING DATE: 1992-03-18
 PRIOR APPLICATION NUMBER: U.S. 07/670,827
 PRIOR FILING DATE: 1991-03-18
 NUMBER OF SEQ ID NOS: 19
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO: 15
 LENGTH: 18
 TYPE: DNA
 ORGANISM: Artificial sequence
 FEATURE:
 OTHER INFORMATION: PCR oligonucleotides

RESULT 15
 US-09-717-041-11
 Sequence 11, Application US/09157041
 Patent No. US20020009726A1
 GENERAL INFORMATION:
 APPLICANT: Reed, John C.
 APPLICANT: Sato, Takao
 TITLE OF INVENTION: CD40 Associated Proteins
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Campbell and Flores
 STREET: 4340 La Jolla Village Drive, Suite 700
 CITY: San Diego
 STATE: California
 COUNTRY: USA
 ZIP: 92122

COMPUTER READABLE FORM:
 COMPUTER TYPE: FLOPPY DISK
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/7757,041
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/349,357
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Campbell, Catrlyn A.
 REGISTRATION NUMBER: 31,815
 REFERENCE/DOCKET NUMBER: P-LJ 1203
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (619) 535-9001
 TELEFAX: (619) 535-8949
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 24 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear

US-09-757-041-11

Query Match Similarity 3.1%; Score 18; DB 10; Length 24;
 Best local similarity 100.0%; Pred. No. 2.6e+04;
 Matches 18; Conservative 0; Mismatches 0; Indels 0;
 Gaps 0;

Qy 2.232 CGCTTACCAACGGGGAAG 249
 Db 7 CGCTTACCAACGGGGAAG 24

Search completed: May 21, 2003, 07:33:50
 Job time : 129 secs

Query Match

3.1%; Score 18; DB 12; Length 18;

GenCore version 5.1.4-p5_4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run date:

May 21, 2003, 06:14:45 ; Search time 1439 Seconds

(Without alignments) .6572.734 Million cell updates/sec

Title: US-09-695-451-1_COPY_727_1310
Perfect score: 584
Sequence: 1 tgcaggagaacaaacac.....cacaaggccacagctaga 584

Scoring table: IPEMITY.NUC
Gapop 10.0 , gapext 1.0

Searched: 16154066 seqs, 8097743376 residues

Total number of hits satisfying chosen parameters: 30106

Minimum DB seq length: 0
Maximum DB seq length: 30

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : EST,*
ESTba,*
en_lesthun,*
en_lestin,*
en_lestimu,*
en_lestov,*
en_lestpl,*
en_lestro,*
en_htc1,*
gb_est1,*
gb_est2,*
gb_htc,*
gb_est3,*
gb_est4,*
gb_est5,*
em_lestfun,*
em_estom,*
gb_gss,*
em_gss_hum,*
em_gss_inv,*
em_gss_pnt,*
em_gss_vrt,*
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em_gss_mus,*
em_gss_other,*
em_gss_pro,*
em_gss_rnd,*

RESULT 1
AZ776616
LOCUS AZ776616 28 bp DNA sequence.
DEFINITION clone DUGC2M0010K24 F, DNA sequence.
ACCESSION AZ776616
VERSION AZ776616.1
KEYWORDS GSS.
SOURCE house mouse.
ORGANISM Mus musculus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	16.8	2.9	28	AZ776616
2	16.8	2.9	30	TA42E02P
3	16.6	2.8	26	BK399811
4	16.4	2.8	19	A2788326
5	16.2	2.8	30	A2464926
6	16.2	2.8	30	A2875577

Unpublished (2000)

COMMENT Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0010 row: K column: 24
Seq: primer: CGTGTAAACGAGGCCAGT
Class: plasmid ends
High quality sequence step: 2B.
Location/Qualifiers

FEATURES
source

1. .28
/organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UNGC2M001K24"
/clone_lib="Mouse 10kb plasmid UGGCM library"
/sex="Male"
/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42hv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.Jax.org/Resources/documents/share/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (914732114gb!AP12902.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT

ORIGIN

RESULT 3

LOCUS

DEFINITION

VERSION

KEYWORDS

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

SEQUENCE

FEATURES

source

RESULT 4

LOCUS

DEFINITION

BASE COUNT

ORIGIN

Barrell, Oxford University Press, 1999.
Email: neisayed@tigr.org
Details of *T. brucei* sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
Location/Qualifiers

1. .30
/organism="Trypanosoma brucei"
/strain="TRU0927"
/db_xref="taxon:5691"
/clone="42e02"

BASE COUNT

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11 c

6 g

6 t

RESULT 4

LOCUS

DEFINITION

BASE COUNT

ORIGIN

LOCUS

ACCESSION A2788326
VERSION A2788326.1
KEYWORD GSS
SOURCE house mouse

ORGANISM

Mus musculus

REFERENCE Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT published (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0035 row: P column: 16

Seq primer: CGTGTGAAACGAGCGGCACT

Class: Plasmid ends

High quality sequence stop: 19.

FEATURES

SOURCE

/organism="Mus musculus"
/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UUGC2M0035P6"

/clone_libr="Mouse 10kb plasmid UGGCIM library"

/sex="Male"

/lab_host="E. coli strain XL10-Gold, T1-resistant, F+"

/note="Vector: PWD42mv; Purified genomic DNA from M.

musculus C57BL/6J (male), was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.Jax.org/resources/documents/dnares/>). The DNA

was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The

adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent E. coli XL10-Gold (Stratagene) cells

and selected for ampicillin resistance."

BASE COUNT
ORIGIN

Query Match: 2.8%; Score 16.4; DB 17; Length 19;
Best Local Similarity: 94.4%; Pred. No. 8.3e+05; Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 261 CTCGATGTTCTGGAA 278
Db 19 CTCGATGTTCTGGAA 2

ACCESSION A246926
VERSION A246926.1
KEYWORD GSS
SOURCE house mouse

REFERENCE

1

(bases 1 to 30)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

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84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 024 row: J column: 04

Seq primer: CACACAGGAACAGCTANGACC

Class: Plasmid ends

High quality sequence stop: 30.

FEATURES

SOURCE

/organism="Mus musculus"
/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGGIM0274J04"

/clone_libr="Mouse 10kb plasmid UGGCIM library"

/sex="Male"

/lab_host="E. coli strain XL10-Gold, T1-resistant, F+"

/note="Vector: PWD42mv; Purified genomic DNA from M.

musculus C57BL/6J (male), was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.Jax.org/resources/documents/dnares/>). The DNA

was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA Polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The

adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adapted mouse DNA was annealed to adaptor vector DNA, and transformed into chemically competent E. coli XL10-Gold (Stratagene) cells

and selected for ampicillin resistance."

BASE COUNT
ORIGIN

Query Match: 2.8%; Score 16.2; DB 17; Length 30;
Best Local Similarity: 72.4%; Pred. No. 9.7e+06; Matches 21; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 513 CCTCGCCGCGACCCATCCACCCCC 541
Db 1 CCGCCCGCCGCCACCCCGCCCGCC 29

ACCESSION A246926
VERSION A2875577
KEYWORD GSS
SOURCE house mouse

REFERENCE

1

(bases 1 to 30)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 024 row: J column: 04

Seq primer: CACACAGGAACAGCTANGACC

Class: Plasmid ends

High quality sequence stop: 30.

FEATURES

SOURCE

/organism="Mus musculus"
/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGGIM0190G06"

/clone_libr="Mouse 10kb Plasmid UGGCIM library Mus musculus genomic clone UGGCIM0190G06 F, DNA sequence."

ACCESSION A246926
VERSION A246926.1
KEYWORD GSS
SOURCE house mouse

REFERENCE

1

(bases 1 to 30)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 024 row: J column: 04

Seq primer: CACACAGGAACAGCTANGACC

Class: Plasmid ends

High quality sequence stop: 30.

FEATURES

SOURCE

/organism="Mus musculus"
/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGGIM0190G06"

/clone_libr="Mouse 10kb Plasmid UGGCIM library Mus musculus genomic clone UGGCIM0190G06 F, DNA sequence."

REFERENCE

1

(bases 1 to 30)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 024 row: J column: 04

Seq primer: CACACAGGAACAGCTANGACC

Class: Plasmid ends

High quality sequence stop: 30.

BASE COUNT
ORIGIN

Query Match: 2.8%; Score 16.2; DB 17; Length 30;
Best Local Similarity: 72.4%; Pred. No. 9.7e+06; Matches 21; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 30 bp DNA linear GSS 04-OCT-2000
LOCUS A2464926
DEFINITION A2464926 30 bp DNA linear GSS 04-OCT-2000
clone UGGCIM0190G06 R, DNA sequence.

ACCESSION A246926
VERSION A246926.1
KEYWORD GSS
SOURCE house mouse

REFERENCE

1

(bases 1 to 30)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 024 row: J column: 04

Seq primer: CACACAGGAACAGCTANGACC

Class: Plasmid ends

High quality sequence stop: 30.

FEATURES

SOURCE

/organism="Mus musculus"
/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGGIM0190G06"

/clone_libr="Mouse 10kb Plasmid UGGCIM library Mus musculus genomic clone UGGCIM0190G06 F, DNA sequence."

REFERENCE

1

(bases 1 to 30)

AUTHORS

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenem,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.

JOURNAL *Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus*
COMMENT unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA

Fax: 801 585 5606
Email: dunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 024 row: J column: 04

Seq primer: CACACAGGAACAGCTANGACC

Class: Plasmid ends

High quality sequence stop: 30.

BASE COUNT
ORIGIN

Query Match: 2.8%; Score 16.2; DB 17; Length 30;
Best Local Similarity: 72.4%; Pred. No. 9.7e+06; Matches 21; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 30 bp DNA linear GSS 04-OCT-2000
LOCUS A2464926
DEFINITION A2464926 30 bp DNA linear GSS 04-OCT-2000
clone UGGCIM0190G06 R, DNA sequence.

ACCESSION	AZ875577
VERSION	AZ875577.1 GI:13085557
KEYWORDS	GSS
SOURCE	house mouse.
ORGANISM	Mus musculus.
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. (bases 1 to 30)
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL	Unpublished (2000)
COMMENT	Contact: Robert B. Weiss
FEATURES	University of Utah Genome Center
SOURCE	Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
BASE COUNT	1 30
FEATURES	High quality sequence stop: 30.
SOURCE	1..30
FEATURES	location/Qualifiers
SOURCE	/organism="Mus musculus"
BASE COUNT	1
FEATURES	/strain="C57BL/6J"
SOURCE	/db_xref="taxon:10090"
BASE COUNT	1
FEATURES	/clone="UUGCC2M019G06"
SOURCE	/clone_id="Mouse 10kb plasmid UUGCCM library"
BASE COUNT	1
FEATURES	/sex="Male"
SOURCE	/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
BASE COUNT	1
FEATURES	/note="Vector: PWD42IV; Purified genomic DNA from M. musculus C57BL/6J" (male) was obtained from the Jackson Laboratory Mouse DNA Resource
SOURCE	(http://www.Jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD2 (GRI4732114.gb Ap129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance.
BASE COUNT	0 a 28 c 1 g 1 t
ORIGIN	
FEATURES	Query Match
SOURCE	2.8%; Score 16.2; DB 17; Length 30;
BASE COUNT	0
FEATURES	Best Local Similarity
SOURCE	72.4%; Pred. No. 9.7e+05; Mismatches 8; Indels 0; Gaps 0;
ORIGIN	21; Conservative
RESULT	7
LOCUS	AZ348233
DEFINITION	AZ348233 IM004G04R. Mouse 10kb plasmid UUGCCM library
ACCESSION	AZ348233
VERSION	AZ348233.1
KEYWORDS	GI:10427470
SOURCE	GSS.
ORGANISM	house mouse.
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. (bases 1 to 25)
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A., and Wright,D., Weiss,R.
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL	Unpublished (2000)
COMMENT	Contact: Robert B. Weiss
BASE COUNT	0 a 28 c 1 g 1 t
FEATURES	Query Match
SOURCE	25 bp mRNA linear EST 20-APR-1998
BASE COUNT	0
FEATURES	Best Local Similarity
SOURCE	72.4%; Pred. No. 9.7e+05; Mismatches 8; Indels 0; Gaps 0;
ORIGIN	21; Conservative
RESULT	7
LOCUS	AA936737
DEFINITION	AA936737 015910.01 NCI-CGAP-HN4 Homo sapiens cDNA clone IMAGE:148987 3, similar to TR-01844 01844 COSMIC C34D4. ;, mRNA sequence.

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: dunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0097 Row: C Column: 19
 Seq primer: CGTGTAAACGAGGCCAGT
 Class: Plasmid ends
 High quality sequence stop: 25.

FEATURES

SOURCE

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="Taxon:10090"

/clone="UUGCIM0084G04"

/clone.lib="Mouse 10kb plasmid UGGCIM library"

/sex="Male"

/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"

/note="Vector: PWD4zny; purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.Jax.org/resources/documents/dnareas/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adapter oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance.

ORIGIN

BASE COUNT

2 a

23 c

0 g

0 t

ORIGIN

BASE COUNT

2 a

23 c

0 g

ORIGIN

BASE COUNT

2 a

23 c

0 g

0 t

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: dunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0097 Row: C Column: 19
 Seq primer: CGTGTAAACGAGGCCAGT
 Class: Plasmid ends
 High quality sequence stop: 26.

FEATURES

SOURCE

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="Taxon:10090"

/clone="UUGC2M0097C19"

/clone.lib="Mouse 10kb plasmid UGGCIM library"

/sex="Male"

/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"

/note="Vector: PWD4zny; purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.Jax.org/resources/documents/dnareas/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adapter oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance.

ORIGIN

BASE COUNT

6 a

8 c

9 g

3 t

ORIGIN

BASE COUNT

6 a

8 c

9 g

3 t

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 Tel: 801 585 5606
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 Email: dunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0097 Row: C Column: 19
 Seq primer: CGTGTAAACGAGGCCAGT
 Class: Plasmid ends
 High quality sequence stop: 27.

FEATURES

SOURCE

/organism="Mus musculus"

/strain="C57BL/6J"

/db_xref="Taxon:10090"

/clone="UUGCIM0076B04R"

/clone.lib="Mouse 10kb plasmid UGGCIM library"

/sex="Male"

/lab_host="E. coli strain XL10-Gold, T1-resistant, F-"

/note="Vector: PWD4zny; purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.Jax.org/resources/documents/dnareas/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adapter oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance.

ORIGIN

BASE COUNT

10 a

27 c

26 g

26 t

26 n

26 m

26 s

26 d

26 l

26 v

26 w

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

26 f

26 h

26 i

26 j

26 k

26 o

26 a

26 e

26 g

26 y

26 x

26 z

26 b

26 r

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26 g

26 y

26 x

26 z

26 b

26 r

26 p

26 q

26 u

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84132, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0076 row: B column: 04
 Seq primer: CACACAGGAAACAGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 27.

FEATURES

source
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 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="Taxon:10090"
 /clone="UUGCIM0076B04"
 /clone_id="Mouse 10kb plasmid UGGCIM library"
 /sex="Male"
 /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 (http://www.Jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732149b|AII29072.1), a copy-number inducible derivative of Plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT
 ORIGIN
 Query Match 2.7%; Score 16; DB 17; Length 27;
 Best Local Similarity 79.2%; Pred. No. 1.1e+07; Mismatches 5; Indels 0; Gaps 0;
 Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 254 AGCTCTACTCCGATGTGTTGGGA 277
 Db 3 AACACUCCCTCCATTGCGGGGA 26

RESULT 11
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 LCCUS AZ474207
 DEFINITION 1M0290M03R Mouse 10kb plasmid UGGCIM library Mus musculus genomic
 ACCESSION clone UUGCIM0290M03_R, DNA sequence.
 VERSION AZ474207.1
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. REFERENCE 1 (bases 1 to 29)
 AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
 TITLE Plasmid inserts
 JOURNAL Unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah

FEATURES

source
 1. .29
 /organism="Mus musculus"
 /strain="C57BL/6J"
 /db_xref="Taxon:10090"
 /clone="UUGCIM0090M03"
 /clone_id="Mouse 10kb plasmid UGGCIM library"
 /sex="Male"
 /lab_host="E. coli strain XL10-Gold, T1-resistant, F-"
 /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource
 (http://www.Jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 Polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (gi|4732149b|AII29072.1), a copy-number inducible derivative of Plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

BASE COUNT
 ORIGIN
 Query Match 2.7%; Score 16; DB 17; Length 27;
 Best Local Similarity 79.2%; Pred. No. 1.1e+07; Mismatches 5; Indels 0; Gaps 0;
 Matches 19; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 389 CGTGTGCCAGTTCACCTCACCT 412
 Db 5 CCTTGCTGGAACTACCTCACCT 28

RESULT 12
 AZ994586
 LOCUS AZ994586
 DEFINITION 2M0280B08R Mouse 10kb plasmid UGGCIM library Mus musculus genomic
 ACCESSION clone UUGC2M0280B08_F, DNA sequence.
 VERSION AZ994586
 KEYWORDS GSS.
 SOURCE house mouse.
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. REFERENCE 1 (bases 1 to 26)
 AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
 TITLE Mouse whole genome scaffolding with paired end reads from 10kb Plasmid inserts
 JOURNAL Unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah Genome Center
 University of Utah

